Commercial Refrigeration & Air Conditioning

March 1958

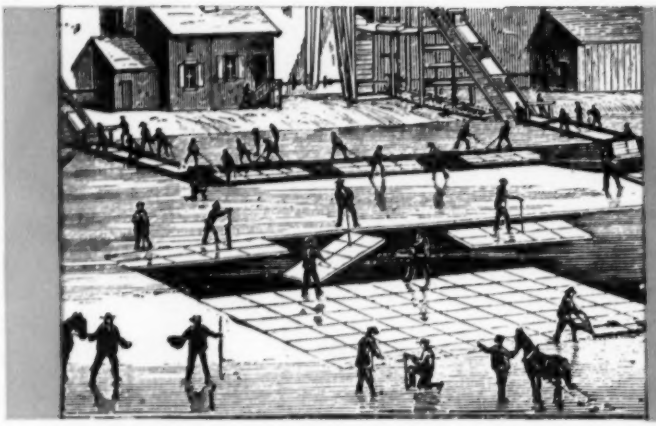
1958 AIR CONDITIONING SPECIFICATIONS

LISTED IN 8 EASY-TO-USE PRODUCT CLASSIFICATIONS

1. Water cooled packaged air conditioners
2. Water cooled condensing units
3. Air cooled packaged air conditioners
4. Air cooled condensing units
5. Furnace-cooling combinations
6. Heat pumps
7. Packaged water chillers
8. Room air conditioners

AN INDUSTRIAL PUBLISHING CORPORATION MAGAZINE

Circulation now over 30,000



The year was 1918

Northern cities still depended heavily on natural ice . . . cut from ponds and waterways nearby and stored in insulated ice houses or imported from Maine and other ice-producing states. More than 2,500,000 tons were harvested on the Hudson River alone in the winter of '17 and '18. But, even then, a precocious youngster known as mechanical refrigeration was foretelling the decline of the industry. In a few short years, the Hudson River ice houses would be razed . . . or sold to truck gardeners who found them admirably suited to the growing of mushrooms.

1918 was the year of Copeland's founding.

Reproduced from "Journal of the Franklin Institute"

1958 / Years-ahead Copeland engineering retains industry leadership

Copeland has led the field in developing direct-drive hermetics into rugged, dependable cooling components . . . the Copelametics. Engineers have "designed out" the primary causes of compressor breakdowns . . . belts, seals and manual oiling systems. They have made their dream-compressors practical, performance leaders by "designing in" accessibility. On those rare occasions when servicing is needed, it can be done on the spot. Copelametics never need be returned to the factory.

These and other outstanding features . . . combined with Copeland quality-conscious production and nationwide field service organization . . . make Copelametics the first choice of performance-wise manufacturers, engineers and contractors. The millions of units now serving in quality products and installations throughout the world are testimony to the fact.

When you need dependable condensing units or motor-compressors, investigate Copelametic. The line is complete . . . it includes a model for your application: Air-cooled ¼ H.P. through 10 H.P. and water-cooled ⅓ H.P. through 10 H.P. Write for specifications and performance data.

Circle No. 1 on Reader Service Card

1. Field proven supercharges for any application—all temperature ranges—all operating conditions.

2. Power element case and stainless steel diaphragm atomic hydrogen welded into one piece. Field tested for over 25 years.

3. External superheat adjustment. (Internal available).

4. External equalizer. (Internal available).

5. Simple cage assembly contains only one packed stem. Replaceable for quick servicing. Interchangeable for wide capacity range.

6. Tight seating—stainless steel stem and seat.

7. Outlet connections to match distributor requirements.

8. Easy to install, light weight flanges—in widest variety of body styles and connections.

12 points of quality in ALCO

"T" SERIES
THERMO VALVES

ENGINEERED THROUGHOUT FOR TROUBLE-FREE OPERATION!

9 Rugged come-apart constructions—corrosion-resistant materials.

10 Can be mounted in any position.

11 Simple, compact design — only three major parts—interchangeable to provide wide capacity and operation ranges.

12 Easy to inspect, clean and service without breaking line connections—no special wrenches or gauges required.

BUY QUALITY—BUY ALCO

SEE YOUR ALCO WHOLESALER

WRITE FOR BULLETIN 171-56

ALCO VALVE CO.

843 KINGSLAND AVE. • ST. LOUIS 5, MO.

The one complete line of refrigerant controls: Thermostatic Expansion Valves, Refrigerant Distributors, Solenoid Valves, Suction Line Regulators, Flooded Evaporator Controls and Reversing Valves.

7217

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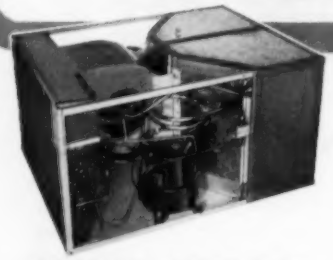
Manning-Bowman®

FLEXIBILITY

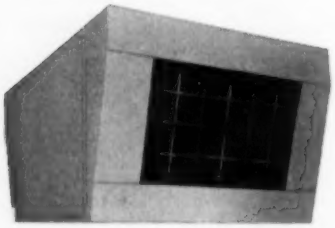
means

SALE-ABILITY



1958 Self-Contained Central Air Conditioners—2, 3 and 4 ton models plus 3 ton heat pumps.

1958 Remote Air Conditioner Condenser Sections — 3, 4 and 5 ton models plus 3 ton heat pumps.



1958 Blower-Coil Units and Coil Sections—3, 4 and 5 ton models (Blower-coil with decorative-front accessory).

New Adaptable Air Conditioning Line Makes PROFIT for DEALERS

In central systems alone there's a unit for virtually every application. Units are easy to install, easy to service. Product quality plus Maximum Performance Testing (M.P.T.) result in customer satisfaction. These are the things which *sell*, which *keep customers sold*, on our equipment — and on your organization!

MORE FEATURES TO HELP YOU SELL

EXCLUSIVE NEW LECTROFILTER® GENERATOR — Standard equipment on all models. A unique development used to electrostatically charge the filter which collects pollen and dust.

EXCLUSIVE PERMALIFE® — Outstanding enamel finish UL tested. Proved to withstand 2600-hour hot, salt spray test.

EXCLUSIVE MAXIMUM PERFORMANCE TEST (M.P.T.) protects dealer's profits on air conditioners. EVERY air conditioner is operated under tropical conditions before shipment. This is your assurance of satisfying performance — free of troublesome service calls.

FOR PROTECTED PROFIT — PROMOTE AND SELL MANNING-BOWMAN! WRITE FOR COMPLETE, DETAILED INFORMATION *TODAY!*

ROOM AIR CONDITIONERS • SELF CONTAINED SYSTEMS • REMOTE SYSTEMS • DEHUMIDIFIERS • HUMIDIFIERS • SPACE HEATERS

McGRAW EDISON

Finest in Home Comfort Appliances

LONERGAN COOLERATOR DIVISION

McGRAW-EDISON COMPANY ALBION, MICHIGAN

MANNING-BOWMAN • Lonergan Coolerator Division

Department MCR83-CR, Albion, Michigan

Tell me more about the Manning-Bowman line and prices.

Name_____

Company_____

Street_____

City_____ Zone_____ State_____

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Commercial Refrigeration & Air Conditioning

MARCH 1958 • Vol. 15 • No. 3

BPA

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★ keep your profits—

bank on trouble-free

Trouble-free operation—that's the first goal of Chrysler's Airtemp engineers! It's mighty important to Airtemp dealers, too. Soundly engineered cooling or heating cuts complaints and service calls! Result? Airtemp dealers *keep* their initial sale profits!

There are other reasons, too, why Airtemp dealers make more money—

- The Airtemp line is complete—really complete—with 297 cooling and heating models. They can satisfy *any* cooling or heating need!
- They sell the Chrysler name and Chrysler's famous engineering.
- *Pre-tested* merchandising helps and incentive programs.
- Special training for dealers and their personnel at Chrysler Corporation Service Centers.
- Factory advertising in your local markets.

Why don't *you* bank on Airtemp—the profit franchise? Just mail the coupon below.

CHRYSLER

Airtemp
DIVISION
CHRYSLER CORP

AIRTEMP DIVISION, CHRYSLER CORP.
DEPT. CR 3-58, DAYTON 1, OHIO

Please send me full information on an Airtemp franchise.

NAME.....

ADDRESS.....

CITY.....*ZONE*.....*STATE*.....

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Jenni Genetron says

"These are the Modern refrigerants for the Air Conditioned Age"

genetron®

Tested! Approved! For America's Finest Air Conditioning Equipment!

America moves into the air conditioned age. In houses and apartments . . . in stores and factories . . . in offices and public buildings, man-made weather is the order of the day, calling for air conditioning equipment of highest efficiency and economy.

"Genetron" Super-Dry Refrigerants are tailor made for such systems. They meet or surpass the industry's most exacting specifications for fluorinated hydrocarbon refrigerants. Leading manufacturers have tested them exhaustively . . . have approved and certified "Genetron" Super-Dry Refrigerants for original or replacement charge in America's finest equipment!

Moisture Out! Trouble Out!

The quality specifications on the opposite page tell why "Genetron" Refrigerants are so dependable. Note their exceptionally low moisture content, their very low percentages of non-condensable gases and high boiling impurities. Here are refrigerants that can be counted upon for trouble-free performance every time!

Stable! Safe! Nonflammable! Noncorrosive!

Always specify "Genetron" Super-Dry Refrigerants for your equipment. Learn for yourself why "Genetrons" are the "Modern refrigerants for the air conditioned age."

- **Super-Dry! Guaranteed exceptionally low moisture content**
- **Noncorrosive to standard equipment materials**
- **Nontoxic, nonflammable, stable, safe**
- **Critical and freezing points well outside range of operating uses**
- **Solvent action on oil helps prevent solidification or congealing of lubricant**
- **Miscible with oil; aid in lubrication of equipment**
- **Identical and freely interchangeable with comparable fluorinated hydrocarbon refrigerants made by any other manufacturer meeting the same high standards**

Extremely low moisture content! Exceptionally high purity!

For Homes and Offices of the Air Conditioned Age!

Super-Dry Refrigerants

For Stores and Public Buildings of the Air Conditioned Age!

For Factories of the Air Conditioned Age!

genetron 11 ORANGE LABEL

TRICHLOROMONOFLUOROMETHANE

Quality Specifications

Moisture wt. %, max.	0.0010
Chlorides	none
High boiling impurities—vol. %, max.	0.01
Boiling pt. at 760 mm. Hg °F.	74.7
Boiling range °F (to 85% pt.), max.	0.5

USES

Trichloromonofluoromethane ("Genetron" 11) finds widespread use as a refrigerant in industrial and commercial air conditioning systems using single or multi-stage centrifugal compressors. It can also be used for either direct or indirect expansion-type systems.

genetron 12 WHITE LABEL

DICHLORODIFLUOROMETHANE

Quality Specifications

Moisture wt. %, max.	0.0010
Chlorides	none
High boiling impurities—vol. %, max.	0.01
Non-condensable gases (gases insoluble in perchloroethylene)—vol. % in vapor phase, max.	1.5
Boiling pt. at 760 mm. Hg °F.	−21.6
Boiling range °F (to 85% pt.), max.	0.5

USES

Dichlorodifluoromethane ("Genetron" 12) and Monochlorodifluoromethane ("Genetron" 22) are the most widely used organic fluorine refrigerants. They are used in virtually all types of air conditioning equipment, large and small, household and industrial, direct and indirect expansion systems.

genetron 22 GREEN LABEL

MONOCHLORODIFLUOROMETHANE

Quality Specifications

Moisture wt. %, max.	0.0010
Chlorides	none
High boiling impurities—vol. %, max.	0.01
Non-condensable gases (gases insoluble in perchloroethylene)—vol. % in vapor phase, max.	1.5
Boiling pt. at 760 mm. Hg °F.	−41.4
Boiling range °F (to 85% pt.), max.	0.5

Some of the typical units in which "Genetron" 12 and 22 are used: window air conditioners, home or office console units, large store units, large custom-built units for commercial comfort, large home units for addition to present hot air heating systems, and mobile units for transportation equipment.

genetron 113 PURPLE LABEL

TRICHLOROTRIFLUOROETHANE

Quality Specifications

Moisture wt. %, max.	0.0025
Chlorides	none
Boiling pt. at 760 mm. Hg °F.	117.6
Boiling range °F (to 85% pt.), max.	1.8

USES

Trichlorotrifluoroethane ("Genetron" 113) is used in 50-ton and larger centrifugal compressors, primarily for large comfort cooling systems, brine cooling systems, and other commercial and industrial air conditioning systems.

For further information, see your wholesaler
or call or write

genetron department
GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Allied Chemical

Wherever you are, "Genetron" Super-Dry Refrigerants are as close to you as your telephone. Featured by Leading Refrigeration Wholesalers from Coast to Coast.

Circle No. 7 on Reader Service Card

letters

Thanks, Mr. Sicilia!

EDITOR:

In the Letters to the Editor column of your December issue, you published a letter by Ed. Hornak of Alpena, Mich., asking where parts for "Frost-Air" freezers could be obtained. You can tell Mr. Hornak that these parts are available from Amana Refrigeration, Inc., Amana, Iowa.

LOUIS SICILIA
3424 Refrigeration Service
New Kensington, Pa.

DuPont Answers Freon Query

EDITOR:

We are interested in knowing what would be the reaction of "Freon-12" in contact with calcium chloride brine. If you can't answer this question, could you refer us to some source from which we might be able to obtain this information?

A. J. BEYER
Fred E. Boehme, Inc.
Milwaukee, Wis.

Mr. Beyer's query was forwarded to H. M. Parmelee of DuPont's "Freon" Products Laboratory, who offers the following observations:

While we have not made an exhaustive study of this problem, no effects were observed when "Freon-12" gas was bubbled through calcium chloride brine at 0-30 F.

Certainly no significant chemical effects would be expected. The only chemical effect possible would be hydrolysis.

The hydrolysis rate of "Freon-12" in water at atmospheric pressure and 86 F was found to be less than 0.005 grams of refrigerant hydrolyzed per liter of aqueous solution of the gas per year.

In the presence of a weak alkali (1% sodium carbonate), the rate was 0.04 grams per liter per year and in the presence of iron and water it was 0.8 grams per

When the system's full . . . the indicator tells you so!

IMPERIAL

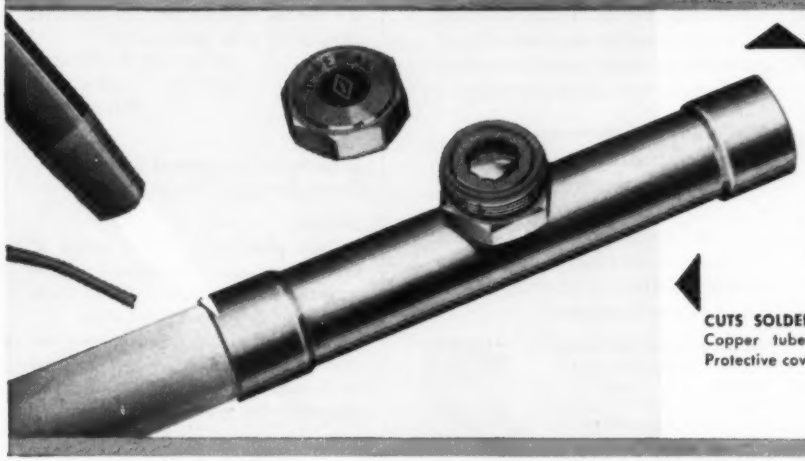
"magic eye"

shows need for refrigerant at a glance!

Man! This *single*-port liquid indicator is without question the greatest work and time saver on the market today! One quick glance and you *know immediately* if system needs refrigerant. Simple as that. No squinting or guessing!

Installs in a flash . . . it's positively leakproof . . . gives years of trouble-free service! A masterpiece of simplicity, compactness and top quality.

Install Imperial "Magic-Eye" Liquid Indicators on your next jobs — find out first hand how they make money . . . build extra customer satisfaction for you.



LEAKPROOF — TROUBLE-FREE — Heavy crystal glass in port hole is thermo-shock and pressure resistant. It's positively sealed with confined sealing medium.

Husky forged brass body, on flare type, cannot be distorted in assembly. Generous wrench flats. Extra-strength walls. Indicator has been pressure tested to 4,000 psi. Swivel and male flare connections precisely machined for positive take up and leakproof re-connection.

CUTS SOLDERING TIME — No Disassembly — Copper tube extensions dissipate heat. Protective cover for glass guards against dirt and damage.

IMPERIAL "Magic Eye" Liquid Indicators available in these sizes:

No. 271-C, FEM. FLARE SWIVEL. Male flare connection: ¼, ⅜, ½" O.D.

No. 270-C, MALE FLARE CONNECTIONS: ¼, ⅜, ½" O.D.

No. 275-CS, SOLDER CONNECTIONS, ¼, ⅜, ½, ⅝, ¾, ⅞, 1⅛, 1⅜, 1⅝, 2⅛" O.D.

Order from your jobber. Write for Catalog 81.

THE IMPERIAL BRASS MFG. CO.
6300 W. Howard St., Dept. CR-38,
Chicago 31, Ill.

Emblem of Quality

FITTINGS • VALVES • DRIERS • CHARGING LINES • TOOLS for cutting, flaring, bending, pinch-off, swaging.

Circle No. 9 on Reader Service Card

liter per year as indicated by analysis for free chloride ion.

All of these rates are very low and should not be significant in a cold system. Calcium chloride solution would not be expected to cause significant hydrolysis even under the saturation pressure of "Freon-12". Hydrolysis could be detected easily by following the pH of the solution.

Neither would we expect any physical effects. While "Freon-12" forms a hydrate with water melting at about 50 F, preliminary tests with calcium chloride brine and "Freon-12" produced no solid at -22 F. Of course, such effects as a vapor lock in a brine circulating pump might take place.

Always Glad to Oblige!

EDITOR:

If your file of past issues includes a map of the United States showing the number of 85 or 90 degree days for various areas, I should appreciate your sending us a copy or tear sheet at your earliest convenience.

* * *

EDITOR:

Sincere thanks to you for sending so promptly the information requested in my last letter. Such service speaks volumes for the editorial vitality of your publication.

MELVILLE W. MERCER
Taylor-Norsworthy, Inc.
Dallas, Tex.

Business Management Series Draws Reader's Praise

EDITOR:

Your plan to include a series of better management articles in COMMERCIAL REFRIGERATION & AIR CONDITIONING is an excellent idea.

Congratulations on the progressive steps taken in recent months to increase the usability of your magazine for your readers.

WILLIAM I. SCHERB
Lando Advertising Agency
Pittsburgh, Pa.

Likes "I Tried to Buy" Story

EDITOR:

I have been meaning to compliment you on your fine article in the November issue of COMMERCIAL REFRIGERATION & AIR CONDITIONING entitled "I Tried to Buy Year-Round Air Conditioning for a new Home".

We have noticed a definite change

Continued on page 149

NEW RCA "MINITROL"

MINIATURE

Microphone–Controls–Speaker Unit

STEPS UP EFFICIENCY FOR USERS OF 2-WAY RADIO IN SERVICE FIRMS!

Dazor Mount

Desk Stand

Typical of the foresighted engineering provided in RCA 2-Way Radio Systems! "Minitrol" combines microphone, controls and speaker in a single unit . . . clears dispatcher's desk of unnecessary "clutter."

- Reluctance microphone insures clear distortionless speech.
- Self-contained transistor pre-amplifier provides audio amplification necessary to modulate the transmitter.
- Transmitter is activated by foot switch, freeing dispatcher's hands for other work.
- Message is directed toward dispatcher, reducing distraction to other personnel.
- Designed to provide maximum mounting flexibility, offering more combinations of equipment than ever before possible.
- Used to control local or remote control equipment.
- Choice of three mountings including Dazor type, desk stand, or to fit standard microphone holders. Colors: silver sage and pearl sand.

Your communications system is only as efficient in saving time and earning profits as its components. RCA . . . world leader in radio . . . offers you quality equipment to meet every requirement. Advanced engineering means greatest satisfaction, lowest maintenance. Expert service by RCA Service Company to assure peak performance.

Available Now for Immediate Delivery
Mail Coupon Today for Free Literature

Mark of RCA *Quality*
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CAMDEN, N. J.

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Radio Corporation of America
Communications Products
Dept. D-261 Building 15-1, Camden, N.J.

☐ Please send me specifications and prices on RCA "MINITROL" Microphone-Control Unit.

☐ Please send me 14-page brochure, "How Service Firms Increase Efficiency with RCA 2-Way Radio."

NAME _____ TITLE _____
PLEASE PRINT

COMPANY _____

ADDRESS _____

CITY _____ ZONE ____ STATE _____

☐ Have RCA Communications Specialist make free RADIO SURVEY of my business.

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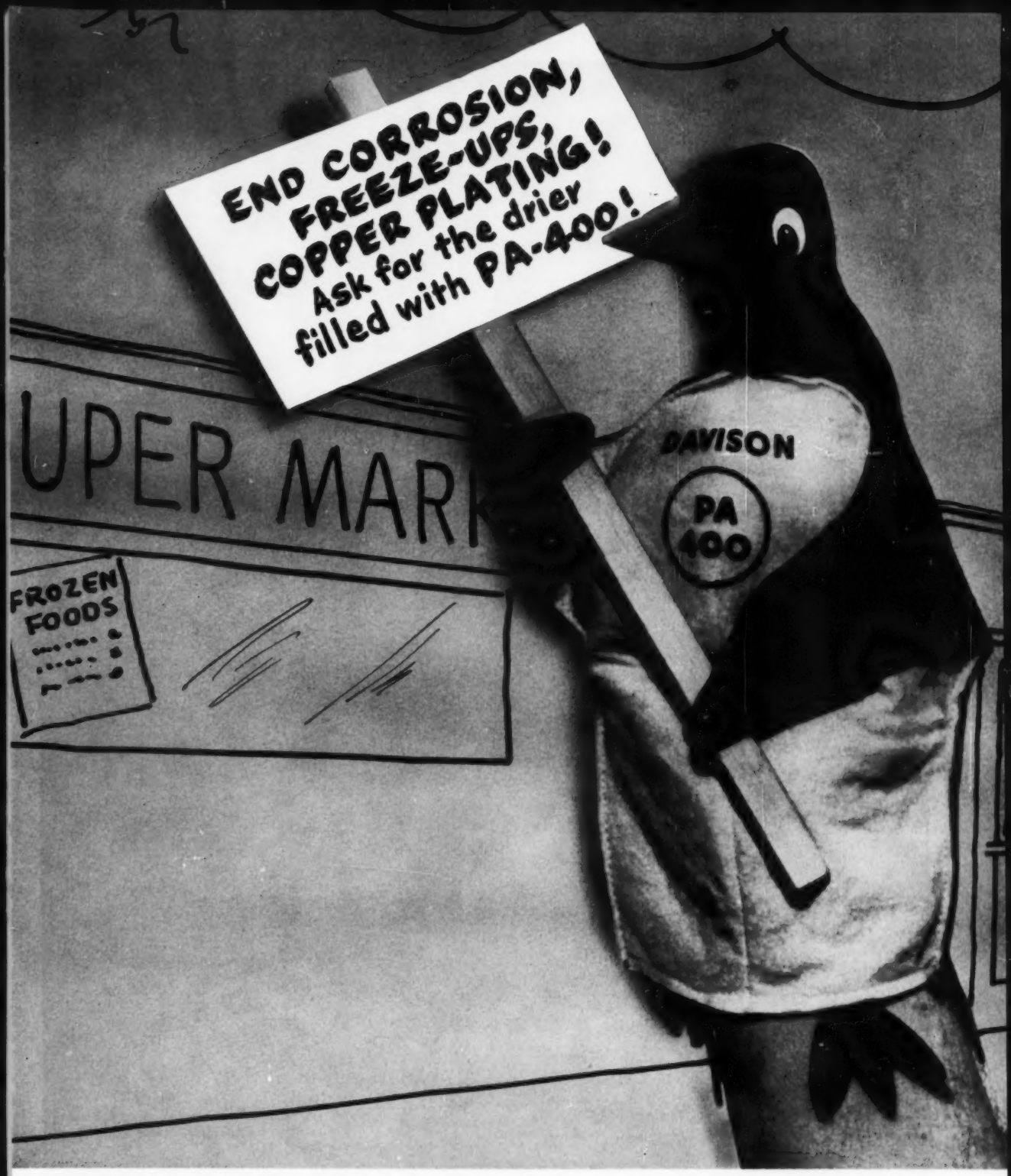

ADSORBS ACIDS. Refrigerants react with water, oils and other contaminants to form acids. These acids attack metals in refrigeration systems . . . cause corrosion, freeze-ups, copper plating. But PA 400® Silica Gel removes moisture *before* it can form acids. What's more, it removes any acids already in the system! So ask for the drier filled with PA 400. Both you and your customers will be happy you did. See your distributor tomorrow.

DAVISON
CHEMICAL COMPANY
Division of W. R. Grace & Co.
Baltimore 3, Maryland

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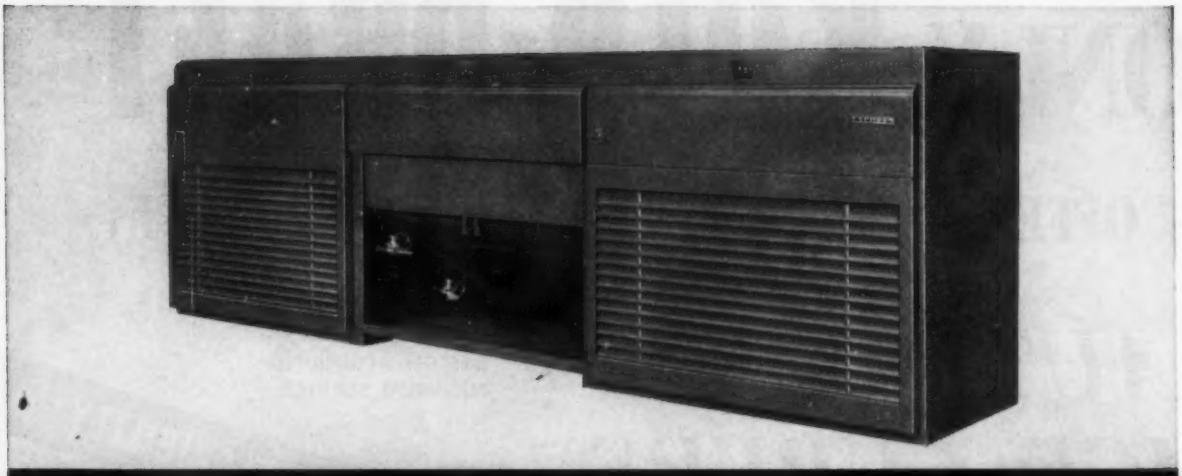

EXCLUSIVE 15 AND 20 TON ACSC

Largest packaged air cooled equipment in the industry. Designed to be roof mounted for outdoor application. Double circuited system, two sets of compressors and condensers, one double circuited evaporator coil. Factory assembled, piped, charged and internally wired. Can be rigged to the roof in one piece. Heating equipment optional.

EXCLUSIVE 10-15-18-20 TON ACCU

10 tons, or 15, 18 and 20 tons capacity arranged in horizontal or vertical pairs, all air cooled. Rugged construction for outdoor installation. An oversize condenser, low operating head pressure. Ample liquid receiver. Suction gas cooled. Semi-hermetic compressor, easily serviced without removal.

BUILD A BETTER BUSINESS WITH TYPHOON

The most complete line of packaged air conditioners in the industry! Air cooled units from 2 tons to 20 tons, both packaged and as split systems. Water cooled units from 3 tons to 60 tons. Packaged water chillers, 2 tons to 50 tons. Air cooled-condensing units to 20 tons, water cooled to 60 tons. For residential, commercial and industrial installations, Typhoon has the size, the model, the price for every job you bid for. And that's not all. Units like the ones shown above are part of Typhoon's line. Your competitors haven't got them because only Typhoon makes them! Typhoon's exclusive features give you sales versatility competitors can't match—like the H616SC, the only 60 ton unit with air discharge that can be placed at the front, back or on the top of the unit depending on how you want to install it! And Typhoon's direct factory service helps you solve any problem, close any sale, quickly, easily, profitably. For more business, for better business, write today for full information on a Typhoon franchise.

TYPHOON
DIVISION OF HUPP CORPORATION

Typhoon Air Conditioning Company
505 Carroll Street, Brooklyn 15, N. Y.

☐ Please send me full details about a Typhoon franchise.
☐ Please have your representative call on me.

Name_____

Address_____

_____

City_____ Zone____ State_____

8C-4

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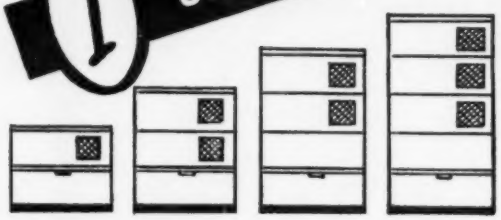
ONLY KOLD-DRAFT* OFFERS THE BIG THREE IN

AUTOMATIC ICE CUBERS

KOLD-DRAFT OFFERS UNCOMPLICATED DESIGN REQUIRING MINIMUM SERVICE

1 UNIT FLEXIBILITY



FOR COMPLETE INFORMATION AND PRICES WRITE TOM MARTIN, SALES MANAGER.

KOLD-DRAFT DIVISION

UNIFLOW MFG. CO. ERIE, PENNSYLVANIA

IN CANADA: Howard Pratt & Co.
24 Cameron Crescent • Toronto 17, Ontario

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"DRI-COR"...

a New Name—a Finer Filter-Drier

■ You can expect the best from Henry. Here's the new "Dri-Cor" Filter-Drier. It incorporates an activated ceramic fired desiccant filter core for micronic filtration in combination with granular desiccant for high efficiency drying with low pressure drop. Drying and filtering are properly proportioned.

Like other Henry Driers the "Dri-Cor" is thoroughly reactivated and pressure sealed at the factory, through the exclusive patented Henry Abso-Dry process. This assures maximum drying efficiency at time of installation.

"Dri-Cor" Filter-Drier cartridges with the same design features are also available for Henry Cartridge Type Driers. Definitely a "must" for those who demand the best.

See Your Local Henry Jobber

HENRY VALVE CO.

MELROSE PARK, ILLINOIS (Chicago Suburb)

Cable: Hevalco, Melrose Park, Illinois

VALVES, DRIERS, STRAINERS, AND ACCESSORIES FOR REFRIGERATION, AIR CONDITIONING, AND INDUSTRIAL APPLICATIONS

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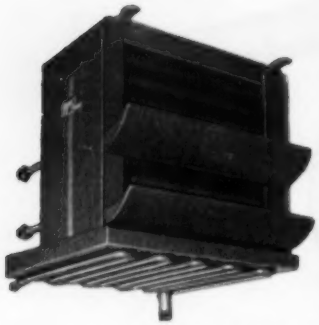
← Circle No. 12 on Reader Service Card

the NEW McQuay ZEROFROST

AUTOMATIC HOT GAS DEFROST SYSTEM

the ideal system— and the price is right



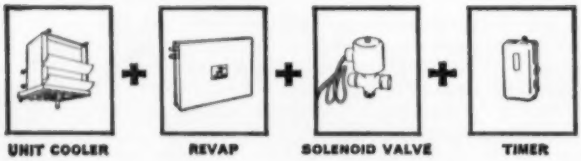
McQUAY UNIT COOLER
A new low temperature unit cooler with low pressure drop, built-in heat exchanger and drain pan de-icer. Available in eight sizes, 3000 to 32,000 Btu/hr.

McQUAY REVAP
Automatically controlled heat reservoir REVAP re-evaporates condensed liquid for quick and positive coil de-icing. Solenoid valve, actuated by timer, diverts hot gas from compressor discharge through REVAP.

The new McQuay ZEROFROST is the very finest automatic hot gas defrost system available. And the ZEROFROST system is priced right. It's fast, positive and dependable —frost free and care free. ZEROFROST is the ideal system because it provides a continuous supply of hot gas and eliminates slugging. It is very simple to wire and install.

The McQuay ZEROFROST system is designed specifically for low temperature applications below 35° F. Its high efficiency and dependability are due to the McQuay REVAP, a low wattage contact heated re-evaporator. The REVAP functions as a heat reservoir to re-evaporate the condensed liquid formed during defrosting. The liquid is trapped and re-evaporated in the REVAP, assuring complete protection of the compressor valves from liquid slugging. There is a McQuay representative in or near your city, or write McQuay, Inc., 1643 Broadway Street N.E., Minneapolis 13, Minnesota.

TV Means Quality



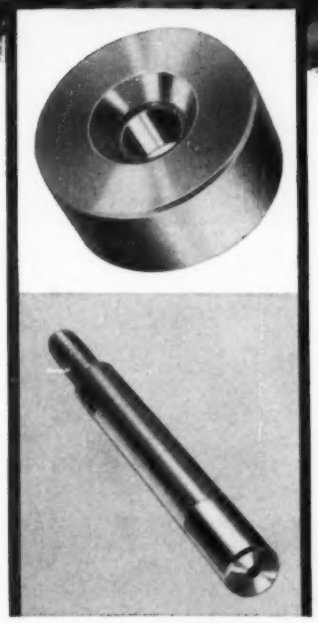
= McQuay ZEROFROST SYSTEM

McQuay INC.

Circle No. 17 on Reader Service Card

AIR CONDITIONING
HEATING
REFRIGERATION

the meaning of custom-made quality



Steel case die with sintered carbide nib

Plug or mandril with sintered carbide tip

Here's why United tube is always well within commercial tolerances

You want seamless tube exactly in the size you specify . . . every order, every piece. At United, these "specs" are assured with the finest carbide dies in the industry. Diamond bored to exact size in United's modern in-plant tool room, constant accuracy is guaranteed by the long life of the sintered carbide nib and plug. In addition each set is carefully checked and refinished after every job lot.

Standard size dies are always in stock and special sizes are readily available by quickly making a die to specifications. This is but one example of United *custom-made* quality. For further information or for fast shipment of your order write:

UNITED WIRE AND SUPPLY CORPORATION
1497 Elmwood Avenue, Providence 7, Rhode Island.

Specify **UNITED** *for aluminum, brass, copper tube and wire...brazing alloys*

Circle No. 18 on Reader Service Card

Here is the complete packaged cooling tower story . . . and the twentieth edition is just like the first—ALL MARLEY. Every year Marley know-how and Marley production ability write new, important chapters; they are so comprehensive that they cover the field from A to Z. That's why they are the industry's

BEST SELLERS OF '58

11 Models with Nominal Capacities from 3 to 60 Tons

Hot Dip Galvanized After Fabrication—Prevents corrosion, assures longest service life

Diffusion Decks—Exclusive feature; essential to efficient initial water break-up

Close-Packed Filling Cube—More wetted surface, more performance per cubic foot

Drift Eliminators—Prolong service life of mechanical equipment; keep tower site dry

Air Inlet Louvers—Balance air flow, prevent splash-out

Marley Type L Fan—Most rugged fan used on towers of this type; non-overloading, prevents over-heating motor

Fan Venturi—Greatly reduces fan noise and entrance loss

Stainless Steel Fan Shaft—Mounted in Bronze Sleeve Bearings

Clamp-Down Design—Permits quick disassembly and reassembly of all models when necessary

MARLEY MARLEY MARLEY

Every job deserves Marley quality and every job can have it. Whatever the requirement — induced draft, forced draft, natural draft—the tower pin-pointed for the application is in the complete Marley line. Never a need to compromise on size, style or structural material — Marley makes them all available.

And of equal importance, when you select Marley you gain two partners earnestly interested in the success of every job: your Marley distributor and Marley. The distributor who sells Marley towers has been carefully selected for his willingness and ability to serve you both before and after your purchase. He, in turn, is backed by The Marley Company's assurance that every product will be satisfactory to every purchaser — a guarantee fulfilled for 35 years.

Today's market makes this teamwork important on every job and Marley makes it available to you with every tower you install.

The Marley Company

222 W. Gregory Blvd., Kansas City, Mo.

Aquacoolers®

Nine models with capacities nominally rated from 5 to 50 tons

For installation indoors or out

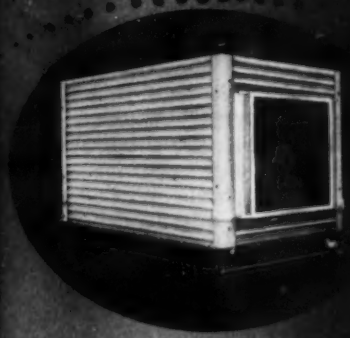
Consistent, full capacity performance

Whisper-quiet operation

Requires minimum plan area

Adjustable air delivery

MARLEY



WOOD AQUATOWER

Five models with capacities nominally rated from 5 to 50 tons

Designed for maximum resistance to corrosion

Forced draft design

Can be installed in confined areas

Blends harmoniously with any surroundings

Shipped unassembled for easiest handling at job site

SPRATOWERS®

A complete range of capacities

Provides maximum water cooling economy

Non-clog bronze spray nozzles

Balanced spray system

Long-life redwood construction

Prefabricated for quick installation

MARLEY

ABOUT PEOPLE

Sporlan Valve Co. has expanded its Chicago office to include a sales office in Minneapolis. **Malcolm L. Moore,** formerly in Sporlan's St. Louis sales department, has been moved to Minneapolis to take over the new office. He has been with Sporlan since 1956.

•

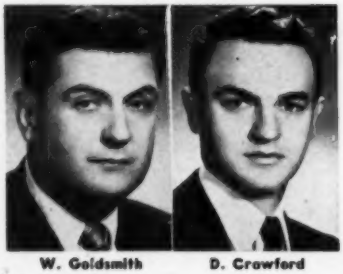
American Automatic Ice Machine Co., has announced the appointment of **Sam Maverick** as representative in Texas, Louisiana, Arkansas, Mississippi, and western Tennessee. Maverick is a former regional manager for Chrysler Airtemp at Houston and sales manager for York Distributors at Fort Worth.

•

Russell A. Sherer has been elected vice president of White-Rodgers Co. Sherer, previously sales manager, will continue to direct all sales activities in addition to his new executive duties. He joined the company in 1943 after extensive experience in sales and sales management.

•

Four major sales personnel changes have been made by York Corp., subsidiary of Borg-Warner Corp. **William T. Goldsmith** has been named sales manager of residential air conditioning and heating. Goldsmith formerly was with the Ingersoll Div. **David H. Crawford** is the new sales manager of commercial air conditioning. Crawford has been associate commercial engineer, senior sales staff engineer, and sales administrator. **Wilbur S. Miller** has assumed the position of sales development manager. Miller previously was manager of the southwest district. **John L. Roth** has been named manager of associate sales. Roth joined York in 1950 after seven years with General Electric Co., where he had been manager of



W. Goldsmith D. Crawford

heat pump sales in the distribution sales section of the air conditioning department. The firm also has announced three other new assignments. They are: **Charles W. Egbert,** manager of applications; **Robert O. Bair,** sales division

W. Miller J. Roth

controller; and **Marvin M. Crout,** service manager of engineered machinery. Egbert formerly was sales manager of the firm's Atlantic district. Bair has been controller of the midwest division. Crout, for the past 15 years, has served as industrial manager of the southern district with headquarters in Atlanta.

•

Joe L. Savage has been named southwest regional manager for Lonergan Coolerator Div. of McGraw-Edison Co. Savage, formerly branch manager of distributors for Admiral Corp., in Houston, will direct expanded Lonergan operations in the southwest.

•

Roy B. McCrady has been appointed a manufacturer's representative by Brass Div. of Kerotest Mfg. Co. McCrady has represented Ansul Chemical Co., and Alco Valve Co. His territory includes the states of Missouri, Kansas, Iowa, and Nebraska.

•

Sherman Singer has been promoted to manager of air conditioning products of Recold Corp. Singer, who has been in charge of Recold's catalog engineering for three years, will continue his duties on catalogs and pricing, but will take a more active responsibility in management decisions on air conditioning products. Prior to joining Recold in 1954, he was associated with Dryer Hanson, Inc, as assistant sales manager.

•

Murray Kanes, formerly head of the electromechanical development department of the Research Laboratories Div. of Bendix Aviation Corp., has been appointed director of engineering of Friez Instrument Div. Kanes joined Bendix in 1951.

•

Appointments of **Warren Singer** as field sales manager and **Dave Armbruster** as Los Angeles district manager for RCA Whirlpool air conditioners of Whirlpool Corp. have been announced. Also announced are the promotions of **John Keller** and **Thomas Cobbledick** to district manager posts.

SURE CURE

FOR SAGGING SALES AND PROFITS!

Crystal Tips

lower distributor prices mean larger profits for YOU!

It's always easy and more satisfactory to sell people what they want. That's why Crystal Tips distributors are still setting ice maker sales records. They have the line people want, and they can offer Crystal Tips units at an attractive price with bigger distributor profits.

If you feel like you have only been "exchanging dollars" on your ice maker sales, if you are disappointed at the "footballing" of products and prices, there was never a better time than right now to investigate a Crystal Tips distributorship. Hundreds of distributors are proving, every day, they can make more sales and bigger profits, in less time, with Crystal Tips.

We want aggressive distributors, and we can show you how to make more money on every ice maker you sell. Write today for the complete facts.

Models illustrated reading clockwise from top: B-500-B, B-300-B, B-200-B. Capacities up to ¼ ton per day.

First Name in Automatic Ice Makers

AMERICAN
AUTOMATIC ICE MACHINE COMPANY
1873 Fourth Street N. W. Faribault, Minnesota

A Division of McQuay, Inc.

IT PAYS TO BE A CRYSTAL TIPS DISTRIBUTOR

Circle No. 20 on Reader Service Card

Singer formerly was sales manager for room units. He will now handle sales of both room and central air conditioners. Armbruster, who was sales manager for central units, will supervise sales of all air conditioning products in the Los Angeles district. Keller and Cobbledick, former field specialists, have been assigned Charlotte, N. C., and Dallas, Tex., districts respectively.

•

The appointment of **Paul Disser** as Refrigeration Div. sales manager for Bohn Aluminum & Brass Corp., has been announ by R. C. Aylward, general sales manager. Disser joined Bohn in 1949 as a sales representative. In 1954, he was advanced to Indianapolis as district sales manager.

•

Harold A. Halls has been promoted to manager of refrigeration products for Recold Corp. With Recold since 1953, Halls will continue his present duties as national refrigeration service manager, but also will be responsible in management decisions on refrigeration products and policies. He worked with Servel, Inc., and Refrigeration Service, Inc., prior to joining Recold in 1953.

•

Three new appointments in the sales division of McQuay, Inc., have been announced. The three are: a new manager of field sales, a new sales manager of heating and air conditioning units, and a new advertising manager. **Willard B. Buck,** named manager of field sales, joined McQuay as a sales engineer and has served in various sales capacities prior to his recent appointment. **Alvin R. Flynn,** appointed sales manager of heating and air conditioning units, joined the firm as a sales engineer in 1950. He has served in various sales engineering posts leading to his present assignment. **William P. Peterson** is the new advertising manager.

•

Two promotions on the engineering staff of Johnson Service Co. have been announced. **William P. Chapman** will assume new duties in the company's research and development laboratory in his new capacity as administrative director. Chapman has been an executive member of the company's engineering staff since the fall of 1956. **Otto Scharpf** was appointed technical director of research and development. Scharpf has been on the company's engineering staff since 1930 and has been chief develoment engineer since 1950. The company also announced the transfer of sales engineer **Joseph A. Cutler Jr.** from its Milwaukee sales office to the New York office. Cutler has been with Johnson since 1954.

•

Paul W. Wyckoff has been named vice president in charge of engineering for Airtemp Div. of Chrysler Corp. Wyckoff joined the corporation in 1939. He began his affiliation with Airtemp in 1946 as director of its engineering laboratory. He was named assistant chief engineer in 1950 and in 1954 was named chief engineer.

•

The appointments of **James T. McMurphy** as sales manager of Philco Corp.'s air conditioning department and of **John L. Goldschmeding Jr.** as sales manager of the electric range department have been announced. McMurphy, prior to this appointment, was sales manager for tthe accessory division. Goldschmeding who joined Philco in 1937 as a distributor salesman in Detroit, was sales manager of the Texas division before coming to Philco headquarters in 1954.

•

R. P. Greiner has been named sales representative for Remington room air conditioners for Eastern Missouri and southern Illinois. Greiner has been associated with the Carrier distributor in St. Louis.

•

Miller Mfg. Co. has announced the appointment of **Richard R. Holmstrom** as sales manager for Bonney Forge and Tool Works, its subsidiary. Holmstrom has been with Bonney since 1951, having served as advertising and merchandising manager and assistant sales manager. His experience also is backed by a length of time in his own territory as a representative for Bonney.

•

John F. Wilson, general manager of marketing for Metals & Controls Corp., has been elected vice president in charge of sales. Wilson joined the firm in 1957.

•

Karl Koons has been appointed sales representative for Jackson & Church Div. of York-Shipley, Inc. Koons was formerly with Rybolt Heaters Co., Ashland, Ohio. In his new post, he will be responsible for sales in Ohio, western New York, western Pennsylvania, and West Virginia.

•

Freezing Equipment Sales, Inc., has announced the appointment of **Anthony Schneider** as project

Break the BARRIER and close the sale

SELL ON TIME — COMMERCIAL CREDIT PLAN

A service offered through subsidiaries of Commercial Credit Company, Baltimore . . . Capital and Surplus over $200,000,000 . . . offices in principal cities of the United States and Canada

Most of your prospects need their cash reserves and usual lines of credit for current operations. Break through this financial barrier. Make it easier for the prospect to sign on the dotted line by including financing arrangements. COMMERCIAL CREDIT'S Refrigeration Plan is backed by many years' experience in your industry—experience in handling financing for thousands of commercial refrigeration and air conditioning installations.

Let us show you how COMMERCIAL CREDIT experience and know-how saves you time and money . . . and helps you close sales with less delay. Call our office in your city, or write COMMERCIAL CREDIT CORPORATION, 300 St. Paul Place, Baltimore 2, Md.

Make your proposals complete . . . include financing with COMMERCIAL CREDIT PLAN

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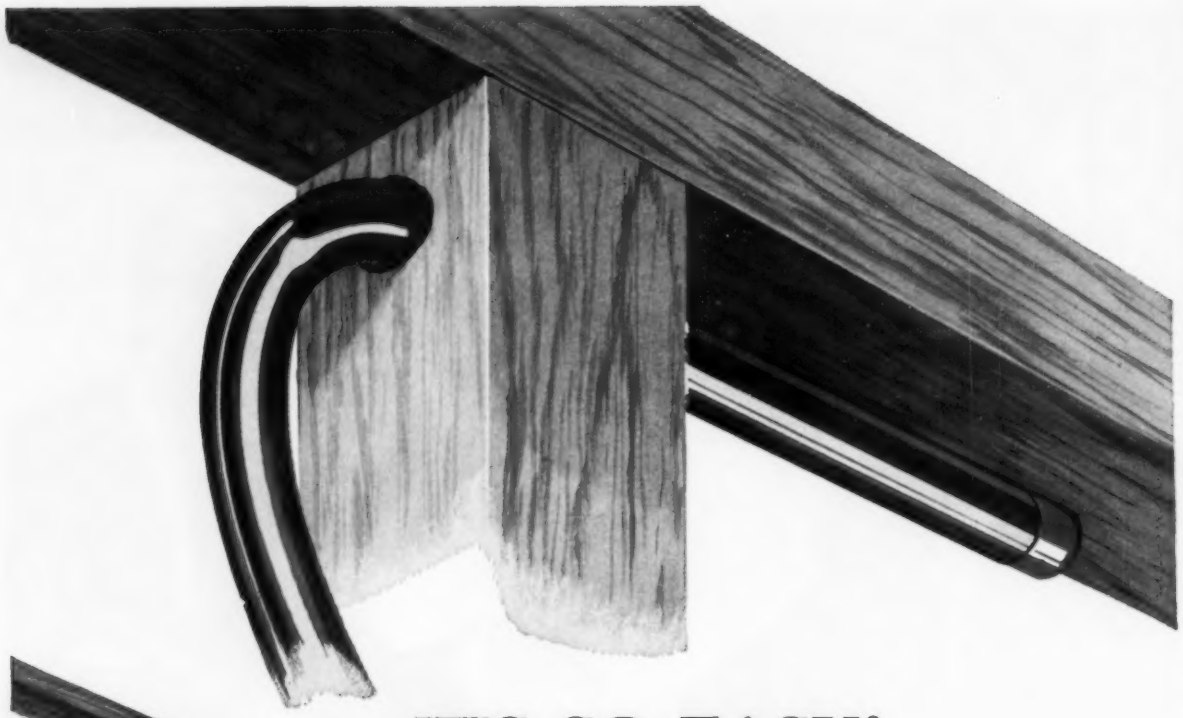
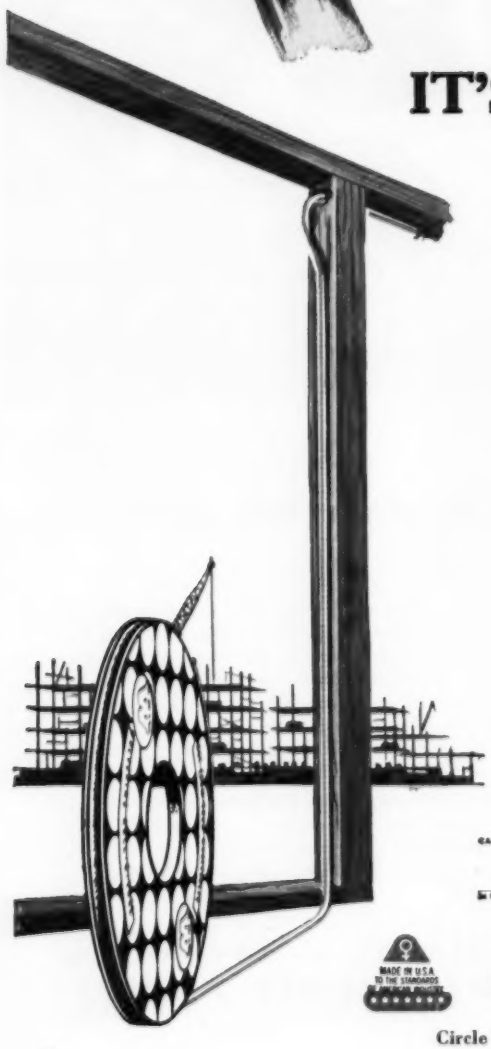


IT'S SO EASY!



Doing a job the easy way—and doing it better to boot—makes a lot of sense. Here are some tips:

You can buy Wolverine Roll-O-Tube® copper refrigeration service tube in the round carton that serves as a time-saving reel. You just fasten the tube at one end and UNREEL AS MUCH OR AS LITTLE TUBE AS YOU REQUIRE. If the job calls for only short length of tube, just leave the rest in the carton. It'll be clean, dry and free from damage—next time you need it.

You'll find that Wolverine refrigeration tube now has a new tube seal. It's a plastic plug that gives positive protection against moisture and dirt. It eliminates waste metal because you don't have to cut off tube ends and the seal can be used again and again. Since it is the same O.D. as the tube, you can thread the tube easily through partitions, etc.

Remember that Wolverine copper refrigeration tube is traditionally clean, dry and consistent in temper.

Suggestion: Quit knocking yourself out doing things the hard way. Ease up and do it ***better and easier*** the Wolverine way! Insist upon Roll-O-Tube next time you visit your wholesaler.

BUY FROM YOUR WHOLESALER

CALUMET & HECLA, INC.
CALUMET DIVISION
URANIUM DIVISION
GOODMAN LUMBER DIVISION
WOLVERINE TUBE DIVISION

In Canada
CALUMET & HECLA OF CANADA LIMITED
WOLVERINE TUBE DIVISION
CANADA VULCANIZER & EQUIPMENT CO. LTD.
UNIFIN TUBE DIVISION

WOLVERINE TUBE
DIVISION OF
CALUMET & HECLA, INC.
17228 Southfield Road
Allen Park, Michigan
Manufacturers of Quality Controlled Tubing and Extruded Aluminum Shapes

PLANTS IN DETROIT, MICHIGAN, AND DECATUR, ALA.
SALES OFFICES IN PRINCIPAL CITIES

Circle No. 22 on Reader Service Card

engineer. Before assuming his new position, Schneider spent three years as manager of the test and model section of York Div. of Borg-Warner Corp.

•

Samuel F. Shawhan has been elected president of Bryant Mfg. Co., division of Carrier Corp. With Carrier since 1929, Shawhan has been assistant to the president since 1955. He succeeds Ronald N. Campbell who resigned. Previously, he was assistant general manager of the Unitary Equipment Div.

•

Ralph Seaton has been appointed to the newly created post of technical sales supervisor for Wolverine Tube, fabricating division of Calumet & Hecla, Inc. **Howard J. Luetzow** has been named technical sales representative to serve the New York, New England areas. Luetzow replaces Seaton.

•

Taco Heaters, Inc., announces the transfer of **Charles J. Sliney** from the New York City territory to the Philadelphia area. Sliney has been operating out of the New York office for the last six years. His new headquarters will be Newtown Square, Penn.

•

Appointment of **Walter Schmidt** as vice president of engineering for O. A. Sutton Corp., Inc., has been announced. Schmidt formerly was associated with Whirlpool Corp. as Chief Engineer.

•

John McCardle has been named to the newly created post of director of Minneapolis-Honeywell's European operations. McCardle, who joined Honeywell in 1946, has served for the past four years as market sales manager for residential gas heating controls with headquarters in the firm's Minneapolis home office. In his new position he will supervise activities of eight Honeywell subsidiaries in continental Europe, including manufacturing facilities in Netherlands, France, Germany.

•

Two new sales engineers have been assigned to Trane Co., Cincinnati, and Syracuse, offices. **Roger Hamilton** has joined the Cincinnati sales office while **William Ames** has been assigned to the Syracuse office.

•

Commercial Credit Co. has announced the election of senior officers of Commercial Credit Corp., its principal finance subsidiary. **Thomas A. Duncan** was elected president; **Samuel M. Chesney, James W. Newman** and **James P. Taylor** were elected executive vice presidents. **Michael V. Kane, Everett W. Sara,** and **Michael**

Sheehan were elected senior vice presidents. In addition, **Walter Browning, Thomas W. Church, Elmer L. Chesney, Murray M. Hotchkiss, Donald S. Jones,** and **Herman Staton** were re-elected senior vice presidents.

•

Louis W. Hamper Jr. has been appointed to the newly created position of assistant to the vice president in charge of sales for Gibson Refrigerator Co., division of Hupp Corporation.

Edgar W. Wright Jr. has been named district representative to cover the District of Columbia, Virginia, Maryland, North Carolina, and Eastern Tennessee by American-Standard, Air Condition Div. Before joining American-Standard; Wright was sales manager for New Jersey Warm Air Heating Co., South Amboy, N. J.

•

Roy Hardy has been appointed government services representative for Automatic Controls Div., Barber-Colman Co. Hardy will be located at Barber—the company's Washington D.C. office in Bethesda, Md.

•

The appointment of **Joseph Minarik** as branch manager for Vornado Distributing Co., Inc., Baltimore, has been announced by O. A. Sutton Corp. Minarik formerly was sales manager for Vornado Distributing Co., Inc., Philadelphia.

•

Robert J. Thompson has retired after more than 25 years with Du Pont Co., the last nine years of which he has been director of sales for its "Freon" Products Div.

•

J. Bernard Goodwin has been appointed chief engineer of Ideal Cooler Corp. Previously, Goodwin was with Hussman Refrigerator Co. for 28 years.

•

Don Smiley, operations vice president for Honeycomb Co. of America, has been named vice president in charge of manufacturing for Weber Showcase & Fixture Co., Inc. Smiley replaces Fred Weber, brother of Karl Weber, president, and son of the founder, who is retiring but who will continue to serve on the board of directors.

•

Harry J. Watson has been promoted to manager of The Trane Co. service department. Watson joined Trane early in 1956.

•

Milton W. Snyder has joined the engineering department of Water Service Laboratories, Inc. in the New York headquarters office, and **Harvey Levitt** has joined the chemical department of the company, working in the Philadelphia office.

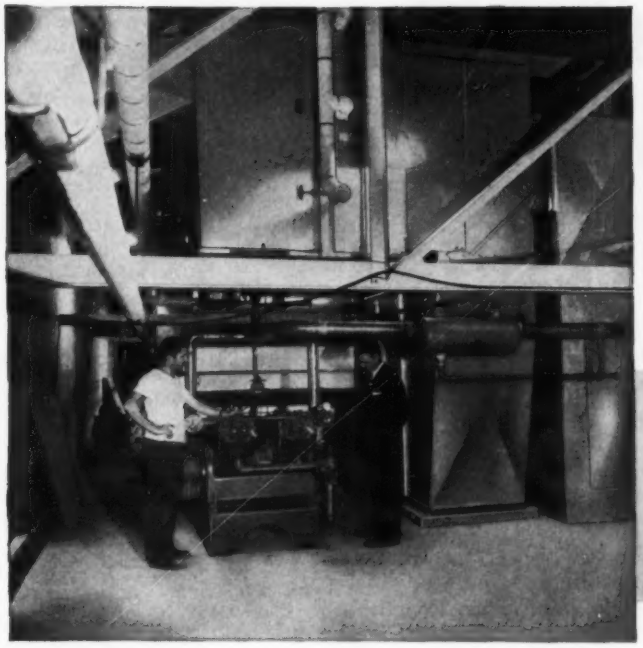
•

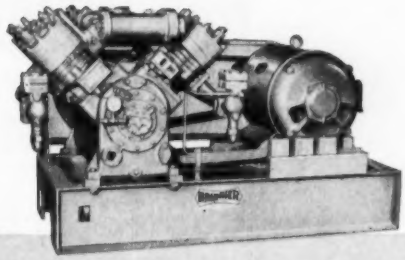
Richard B. Loynd has been merchandise sales manager of Emerson Electric Mfg. Co. of St. Louis. Loynd formerly was assistant in charge of motor sales and

FOR THOSE BIG AIR CONDITIONING JOBS...

Compressors from the BIG BRUNNER LINE

SINCE 1906





LONG LIFE, RELIABLE OPERATION FEATURES OF BRUNNER COMPRESSORS INCLUDE:

- MOUNTING BASES CONSTRUCTED OF STRUCTURAL STEEL.
- LOW AND HIGH PRESSURE TYPE CONTROL.
- FORCE FEED LUBRICATION.
- PRESSURE RELIEF SAFETY VALVE.
- MODULATION AND UNLOADED START (optional).

Typical of the BIG air conditioning jobs where architects, consulting engineers and contractors have learned to rely on BRUNNER compressors is the new Bostitch plant in East Greenwich, Rhode Island.

75 HP compressors, 100 HP compressors—whatever the size requirement—there was a Brunner unit to satisfy the design conditions.

Rugged workhorses of the various air conditioning systems at Bostitch, these units are tied-in to Dunham-Bush evaporative condensers and serve ceiling mounted air handling units for the Stapling, Engineering and Drafting departments. They also serve Dunham-Bush multizone units for conditioning executive offices and cafeteria areas.

Select Dunham-Bush and Brunner for *single source service and responsibility.*

BRUNNER DIVISION
DUNHAM-BUSH, INC.
UTICA, NEW YORK

DUNHAM-BUSH

AIR CONDITIONING • REFRIGERATION • HEATING • HEAT TRANSFER
WEST HARTFORD, CONNECTICUT • MICHIGAN CITY, INDIANA • MARSHALLTOWN, IOWA
RIVERSIDE, CALIFORNIA • BRUNNER DIVISION, UTICA, NEW YORK
SUBSIDIARIES
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DUNHAM-BUSH DUNHAM-BUSH, LTD. LONDON, ENGLAND BRUNNER BRUNNER CORPORATION (CANADA) LTD. PORT HOPE, ONTARIO

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WHY GAMBLE

...with personal safety?

...with costly equipment?

...with customer confidence?

Don't take chances—
use fast, effective, safe

CALGON® SCALE REMOVER
AND CALGON ECONOMY POWDERED ACID

Why take chances with your own safety, with costly equipment, and run the risk of losing good customers? Always use safe, effective Calgon Scale Remover when cleaning cooling tower systems. It comes in dry form—is readily dissolved—and has a pH color indicator that helps tell you how much to use, and also when the system is clean.

New Calgon Economy Powdered Acid is a special formulation for low cost cleaning of cooling water systems. Above all, both of these Calgon products are safe to use—safe for you and for the equipment.

Calgon Water Treatment Products
save you time and money—use the best

MICROMET® PLATES—inhibit further scale formation—provide low-cost, easy-to-use, continuous protective treatment.

CALGON ALGAECIDE—positive action kills algae and slime growths.

BANOX® quickly forms a protective film on metal surfaces. Should be used at spring start-up, after acid cleaning, and at shut-down.

CALGON GAS LEAK DETECTOR—for fast detection of refrigerant leaks.

CALGON LIQUID ICE MACHINE CLEANER—for fast, safe scale removal from ice making equipment.

CALGON COMPANY

DIVISION OF **HAGAN** CHEMICALS & CONTROLS, INC.
HAGAN BUILDING, PITTSBURGH 30, PENNSYLVANIA
DIVISIONS: CALGON COMPANY, HALL LABORATORIES
IN CANADA: HAGAN CORPORATION (CANADA) LIMITED, TORONTO

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merchandise sales training. He has been with Emerson Electric since March, 1955.

•

Ray R. Richardson has been named service manager of Remington Corp. Richardson will headquarter in Auburn, N. Y. Prior to joining the firm he was associated with Fedders-Quigan Corp. since 1951.

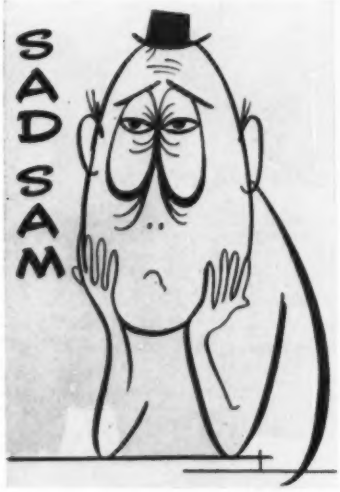
•

Leo T. Kelly, long associated with the cold storage and insulation field, has been appointed sales representative of Dyfoam Corp., New Castle, Pa. Kelly will service the middle Atlantic states. His office will be in Pittsburgh, Pa.

•

David F. Forward has joined the advertising and sales promotion department of Carrier Corp. Forward will serve as assistant sales promotion manager for Carrier's Allied Products Div.

SELLS HEATING PRODUCTS



SAD SAM is a character you'll be seeing more of from now on. In direct mail, envelope stuffers and point-of-purchase displays, it's his job to sell Dunham-Bush's "one source-one responsibility" story for heating products to heating wholesalers and contractors.

BUY FROM YOUR REFRIGERATION WHOLESALER

Here it is! one of the new Mueller Brass Co. refrigeration products that are out of this world!

the new *Safety-master*

PRESSURE RELIEF VALVE

safety engineered for high volume discharge

New Mueller Brass Co. pressure relief valves provide positive action and high volume discharge. Safety-Masters are built to meet the A.S.A.B. 9 safety code, comply with A.S.M.E. code, and are certified by the National Board. Safety-Masters are available in pressure settings from 150 lbs. to 450 lbs. Settings are factory-accurate and are stamped on the body of the valve. All valves are safety sealed to guarantee maintenance of setting accuracy. In operation, the unique instant action of the valve seat disc relieves pressure without chatter or vibration, and provides complete and positive reseating. Safety-Masters are available in 12 different end connections in straight-through or angle type, and are all made from premium quality brass for superior strength. Every Mueller Brass Co. pressure relief valve is packed in strong metal edge cartons for complete protection until installation. Be sure to specify Safety-Master . . . another new Mueller Brass Co. product that is "out of this world" in design, engineering, and performance.

WRITE TODAY for new product data sheet No. 11

MUELLER BRASS CO. PORT HURON 14, MICHIGAN

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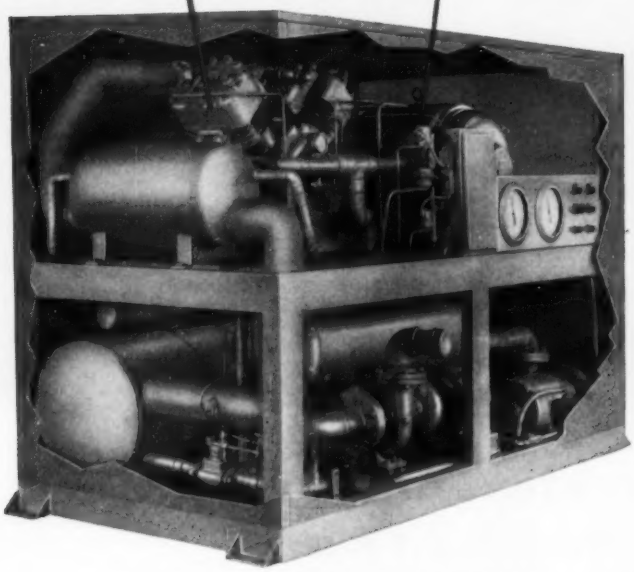
B&G COMPRESSOR AND ELECTRIC COMPRESSOR MOTOR

Designed and built by B&G! Better performing, longer lasting—built of the finest materials to most rigid specifications. *B&G quality in every detail!*



B & G PACKAGE LIQUID COOLER • EQUIPPED WITH B & G PRODUCTS *THROUGHOUT!*

THE ONLY UNIT OF ITS KIND WITH ALL MAJOR COMPONENTS DESIGNED, BUILT AND GUARANTEED BY ONE MANUFACTURER:

Compressor • Compressor Motor • Chiller (ASME) • Molded Styrene Chiller Insulation • Condenser (ASME) • Heat Exchanger • Control Boxes • Control Panels • Chiller Pump • Chiller Pump Motor • Condenser Pump • Condenser Pump Motor • Water Relief Valve • Frame • Jacket

EVERYTHING INCLUDED... NO EXTRAS TO BUY!

WHY THE B&G PACKAGE LIQUID COOLER CAN BE INSTALLED AT SMALLER COST

1. Equipped with quiet, vibration-free B&G Compressor and Electric Compressor Motor—built for years of lasting service.
2. Equipped with B&G Electric Motors throughout.
3. Factory tested under certified conditions and varying loads.
4. Completely wired with interlocked controls. (A truly "plug in" appliance.)
5. Completely enclosed in good looking, rugged steel frame.
6. New, compact design B&G Evaporator—improved type heat transfer surface. Built to ASME Code, and so inspected and stamped.
7. B&G Condenser has more generous fouling factor—takes less space. Built to ASME Code, inspected and stamped.
8. Equipped with long-life, *quiet* B&G Pumps—all substantially mounted and piped.
9. Easily serviced—every part accessible and replaceable.
10. Hammerloid finish jacket. Undercoated for sound-deadening.
11. Thoroughly cleaned, dried and fully charged with Freon.
12. Tubing brazed in inert gas atmosphere. Inside scale and dirt formation possibility eliminated.
13. Bends instead of fittings, reduce possibility of Freon leakage to a minimum.
14. Easier handling because of low center of gravity.
15. Non-recycling pump-down eliminates continuous pump-down system. Power saved through this feature.
16. 34° without freeze-up. Special B&G Chiller and anti-freeze Control System permits applications down to this low point.
17. Evaporator heater, as well as crank-case heater, eliminates slugging of the compressor.
18. Increment starters eliminate the necessity of resistor or auto-transformer starters.
19. Capacity control system assures greatest efficiency by balancing horsepower to load.
20. Sight glasses and test cocks permit easy and accurate checking of Freon charge.

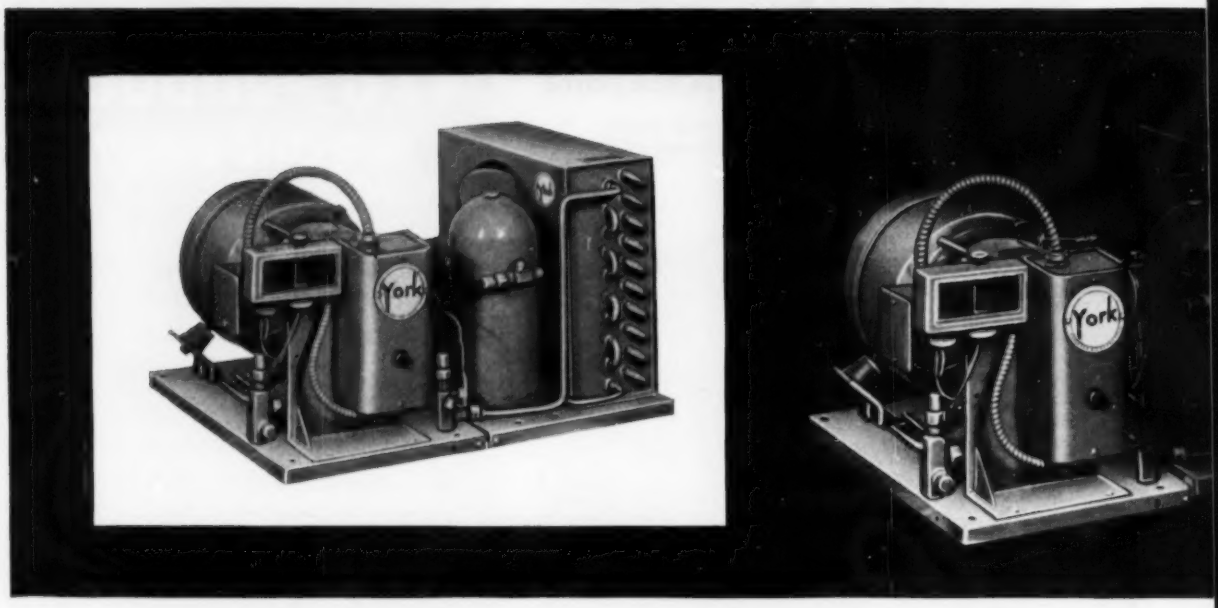
Send for complete file of specifications and application data.

BELL & GOSSETT
COMPANY
Dept. FE-45, Morton Grove, Illinois

Canadian Licensee: S. A. Armstrong, Ltd., 1400 O'Connor Drive, Toronto 16, Ontario

Circle No. 25 on Reader Service Card

Now You Can Quickly Separate With *YORK FLEX-O-*



NEW IDEA in Hermetic Condensing Units Gives New Flexibility in Installation, Service and Use!

Last Word in FLEXIBILITY!

Compressor and condenser sections for varying models may be interchanged. That means your York Wholesaler will have the unit you need instantly available. Condenser and compressor sections may be purchased separately.

First Time Ever REMOTE!

With York Flex-O-Metic Condensing Units, you can install the condenser section remotely from the compressor section. Sections separate easily ...in minutes...without loss of refrigerant, without the need to re-braze!

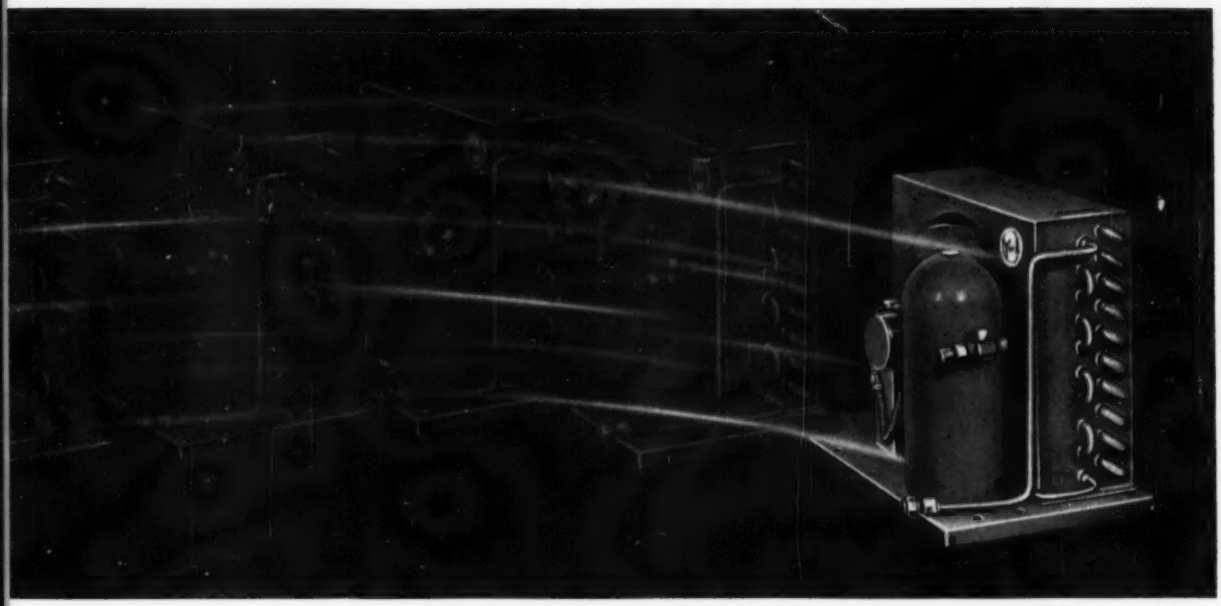
TRI-COOLING—ANOTHER YORK EXCLUSIVE

All new, air-cooled units, with refrigerant cooled shell and sub-cooled condenser for applications as low as −50°. No other cooling devices needed. Available in up to 7½ HP sizes.

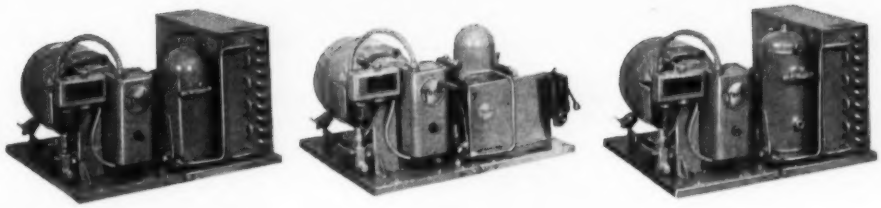
WHOLESALERS! Distribution is now available for some areas. For full details, wire, write or phone Sales Manager, Ice and Refrigeration Equipment, York Corporation, Subsidiary of Borg-Warner Corp., York, Pa.

Circle No. 30 on Reader Service Card

Condenser From Compressor *METIC* Condensing Units!



There is a complete line of York Flex-O-Metic Condensing Units. Available in Air-cooled, Water-cooled and Air-Water-cooled models with sizes ranging from ⅓ thru 7½ H.P.



Easier Than Ever INSTALLATION!

The compressor section is completely factory wired! And multiple compressor sections can be installed on racks with a single dry surface condenser to meet special needs. Receivers can be changed to a larger size for multiple fixture use or can be removed for capillary use.

Plus THESE EXTRAS:

- **Three service valves**...all with gauge ports... let you take high pressure readings at both compressor and receiver...low pressure reading at compressor.
- **Rotalock Valve** rotates 360° for easy piping from any direction!

Your FUTURE and FORTUNE Now Lies With York!

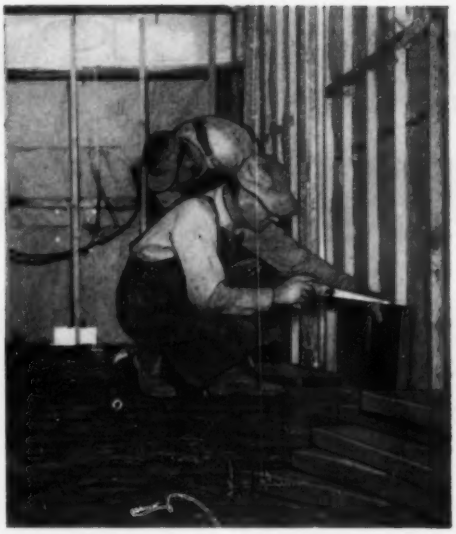
YORK

York Corporation, York, Pa.,
Subsidiary of Borg-Warner Corporation

Circle No. 30 on Reader Service Card

Dorsey uses Rubatex—the best insulation money can buy

RUBATEX cargo-protecting flooring insulation will prove that under the most extreme conditions your refrigerated trailer will hold constant desired temperature—will hold cost and weight down—will increase inside space and payload capacity. Proof enough that RUBATEX INSULATION HARDBOARD is the best flooring insulation money can buy?



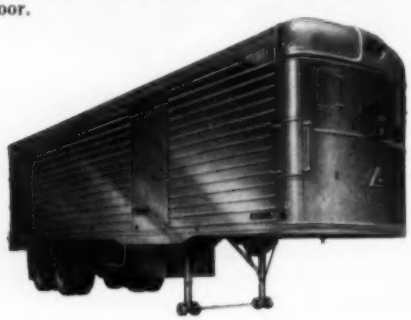
Rubatex Insulation Hardboard is easy to install—less labor cost in elimination of furring strips because Rubatex has enough structural strength to support extruded aluminum floor.

"RUBATEX IS STANDARD FLOOR INSULATION on our new REEFERATOR . . . gives us MAXIMUM INSULATION in bottom plus MORE CUBIC CARGO SPACE . . . its load-supporting, zero moisture pick-up properties ELIMINATE CONSIDERABLE WEIGHT IN FLOOR AND SUB-FLOOR CONSTRUCTION."

Dorsey Trailers, Inc.

You get peak performance with Rubatex—here's why:

- Lowest heat conductivity of any known structural material (K factor 0.21)
- Compressive strength (60 p. s. i.) strong enough to support floor alone
- Extremely light in weight (4½ p. c. f.)



RUBATEX DIVISION, Dept. CR-2
GREAT AMERICAN INDUSTRIES, INC.
Bedford, Virginia

For full details and sample of Rubatex Insulation Hardboard—print your name in space below, attach to your company letterhead and mail to us.

Name_____

RUBATEX
INSULATION HARDBOARD

Send for Free Samples and Data Sheets

Circle No. 31 on Reader Service Card

Every SPORLAN Solenoid Valve is POWER PACKED *with the famous*

Blue Seal Coil

. . . to give you

PEAK PERFORMANCE on Every Installation

No matter what the refrigerant, or job size...whether it's a water, or hot gas application . . . there's a Sporlan Solenoid Valve with the Famous Blue Seal Coil, that gives you that extra protection against burn outs, insulation and moisture failures, plus the time tested Sporlan design that makes Peak Performance a reality every time you install one!

So . . . get the best, every time . . . buy Sporlan Peak Performance Solenoid Valves for your very next job. They're Power Packed with the Famous Blue Seal Coil!

Include Sporlan Catch-Alls, See•Alls, Thermostatic Expansion Valves and Distributors with your Solenoid Valve order . . .

Get Peak Performance
Right Down the Line!

Your Sporlan Wholesaler has literature on all Sporlan Products . . . Be sure to ask him for Bulletin 30-10

SPORLAN VALVE COMPANY

7525 SUSSEX AVE. ST. LOUIS 17, MO.

EXPORT DEPT. 85 BROAD STREET, NEW YORK 4, N. Y.

Circle No. 32 on Reader Service Card

Irving R. Klein and Associates, architects

"We saved over $3,000 in construction costs by the use of Styrofoam®"—Grocers Supply Company, Inc.

"We chose Styrofoam to insulate 9,722 square feet of cooler and freezer storage space because we have found an over-all economy in its use, and a specific saving of about ten per cent in both initial cost in installation and in costs of electricity. More than $3,000, or six per cent of building costs, was saved in the construction of our new plant by the use of Styrofoam." This statement was recently made by George Levit, vice president of Grocers Supply Company, Inc., Houston, Texas.

"Styrofoam," continued Mr. Levit, "is completely effective in maintaining desired temperatures. Our cooler is kept at a constant 35°-37°, and the freezer room stays at minus ten to twelve degrees. We've had no variation in those ideal temperatures since opening our new plant."

For more information about Styrofoam, write to THE DOW CHEMICAL COMPANY, Midland, Mich., Department PL1705D-1

CHECK THIS EXCLUSIVE COMBINATION OF PROPERTIES

STYROFOAM* FIRST IN PLASTIC FOAM INSULATION	Insulations	Low "K" factor	Superior water resistance	High compressive strength	Light weight	Superior resistance to rot and vermin	Easy handling and fabrication	Low-cost installation	Lowest cost per year service
	STYROFOAM	●	●	●	●	●	●	●	●
	A		●	●		●			
	B	●			●			●	
	C	●		●					

*Styrofoam is a registered trademark of The Dow Chemical Company

YOU CAN DEPEND ON DOW

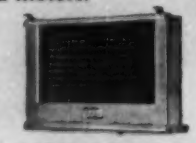
Circle No. 40 on Reader Service Card

Choose BOHN Refrigeration Units

Precision-designed and performance-proven to solve your refrigerating problems . . . efficiently . . . economically

LOW TEMPERATURE UNITS

All feature Bohn's unique, hermetically-sealed automatic defrost system . . . *eliminates extra wiring, extra piping, costly control valves.* All with grained aluminum cabinets, rust-proof fittings, life-lubricated motors.



MODEL LC Unit Cooler
For large walk-ins. 6000 to 24,000 BTU/hr. cap. at 10° T. D.

MODEL LM Mullion Lo-Temp
For upright freezers. 1400 and 1900 BTU/hr. cap. at 10° T. D.

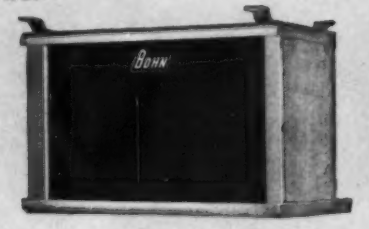
MODEL LR Unit Cooler
For reach-ins and small walk-ins. 1000 to 1900 BTU/hr. cap. at 10° T. D.

STANDARD COOLER UNITS

Compact units, all with practical built-in Bohn features, rust-proof fittings and life-lubricated motors, housed in long-life, grained aluminum cabinets. Simple to install, fully tested and warranted.

MODEL HR Half Round
For walk-in coolers. 2600 to 10,800 BTU/hr. capacity at 10° T. D.

MODEL C
For reach-ins. 1000 to 3000 BTU/hr. capacity at 10° T. D.



MODEL UC Unit Cooler
For walk-in coolers. 2600 to 20,000 BTU/hr. capacity at 10° T. D.

MODEL U
For small applications. 850 to 1500 BTU/hr. capacity at 10° T. D.

MODEL UM Mullion Unit
For reach-ins and dough retarders. 1300 to 2300 BTU/hr. capacity at 10° T. D.

MODEL D
For beverage boxes and back bars. 1300 to 2300 BTU/hr. capacity at 10° T. D.

Buy the known line . . . the BOHN line

BOHN

Refrigeration and Air Conditioning Products • Special Heat Transfer Surfaces

Aluminum and Brass Corporation
Betz Division • Danville, Illinois

General Offices: Detroit 26, Michigan

Circle No. 34 on Reader Service Card

for more sales tomorrow...

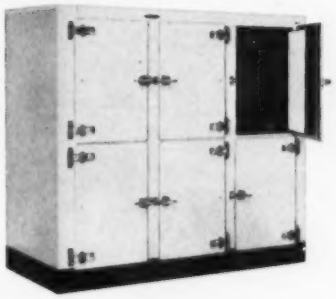
install Schmidt today!

Why? Because Schmidt equipment is designed for good merchandising and built for efficient, low-cost operation. It will make friends and money for you!

Just as important, SCHMIDT'S complete line enables you to install what your customer needs. It will pay you today *and* tomorrow to recommend SCHMIDT.

Write today for complete line Catalog.

The C. Schmidt Company
1712 John Street
Cincinnati 14, Ohio

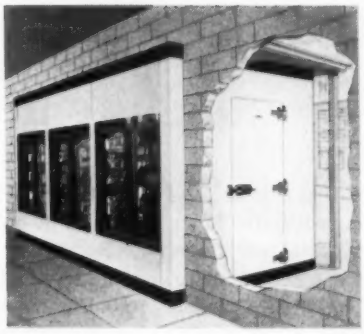


New STORAGE FREEZER *with Pan Slides*

- Exclusive Selective Automatic Defrost saves up to $197.60 per year in operating costs!
- Pan Slides are removable, 1⅜" apart for standard 18 x 26 bun pan to store a variety of merchandise faster —easier.
- 20-year construction, non-sag hinges, tight seal doors. 43, 68 and 94 cu. ft. capacities. Baked enamel or stainless steel front.

New SERV-A-TRAY Case *with Tray Slides*

- Tray-slides provide 4 times as much capacity!
- Displays, sells, serves salads, desserts, etc. by the trayful, directly in the dining area.
- Relieves congestion . . . no door swing to block the aisle.



New Sectional WALK-IN Coolers and Freezers

- Sanitary easy-to-clean Safe-T-Walk floor, flush with door.
- Heavily insulated . . . as much as 60% more than ordinary walk-ins.
- Sanitary zinc-coated steel sections with exclusive Tite-Seal interlock for fast, simple tailor-made installations.
- Exclusive Filter-Flo cooler coil kills germs, prevents mixed odors.

New All-Glass Refrigerated DISPLAY CASE

- "Sight-sells" baked goods from front, sides, top.
- Self-contained. Creates impulse sales of high profit and "specialty" items.
- Upgrades appearance and profits of any store.

MEAT & VEGETABLE CASES • SLIDING DOOR REFRIGERATORS • REACH-INS • REFRIGERATED SHELVING

Circle No. 35 on Reader Service Card

Some things are tough to get at...

The golfer in our picture thinks he has trouble. And he has. But his problem is nothing compared to the problem of the service man trying to get at the tough-to-get-at working parts of some makes of evaporative condensers.

Getting into most condensers for normal servicing of spray nozzles, and float valves for example, is not only tough but almost impossible. Even blasting doesn't provide adequate access.

But the situation is much different when a service man meets up with a Recold Dri-Fan Evaporative Condenser because it's designed with a preconsideration of the servicing requirements. With a Recold Dri-Fan the service man turns a few screws and then may actually GO INSIDE . . . and he doesn't have to be a midget to do it.

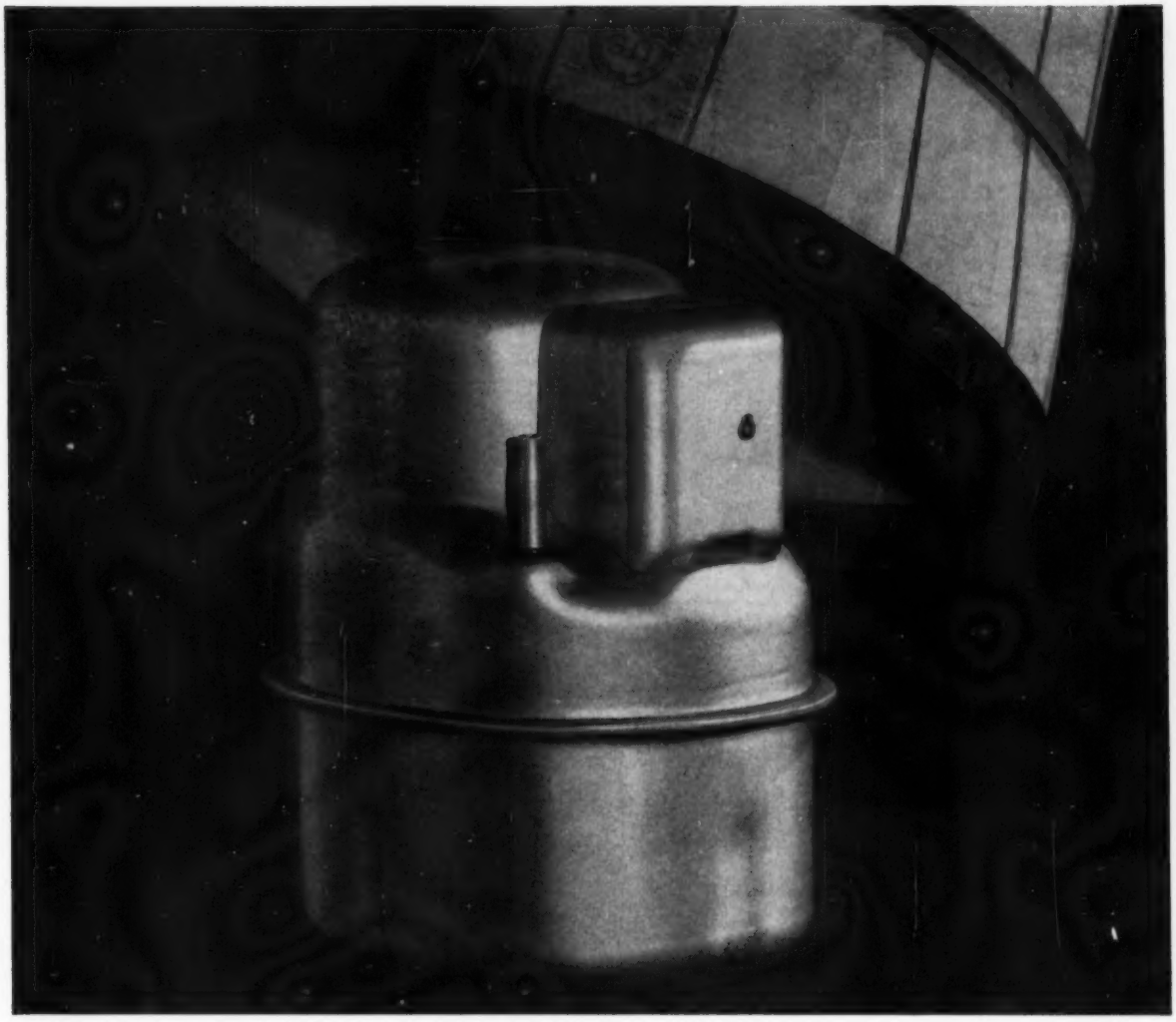
Because of design—with the service man in mind—drift eliminators on the Dri-Fan are easy to get at too. Remove the screws and the assembly slides out as smoothly as a built-in bread board in the kitchen. No gaskets. No sealing compounds. Instead—a patented access door that makes Recold's Dri-Fan the EASIEST-TO-GET-AT condenser—easy to service, easy to inspect.

Don't invest in a condenser that's tougher to crack than Fort Knox. Invest in the condenser that has everything PLUS ACCESS.

RECOLD CORPORATION

7250 East Slauson Avenue, Los Angeles 22, California

Circle No. 36 on Reader Service Card



GUESS WE'VE BEEN HIDING OUR LIGHT UNDER A BUSHEL

Apparently the story of this highest capacity, smallest size compressor hasn't been heard by everyone in the industry.

This remarkable 24,000 BTU per hour compressor was developed over two years ago by the engineers at Bendix-Westinghouse and has had two full seasons of successful, dependable performance. Its compact shape and size take no more space than conventional 1 H.P. compressors.

While this major development has not been widely advertised, apparently the compressor speaks for itself. Seven of the leading air conditioning manufacturers have standardized on it for this coming season. These leaders prefer it because of its high capacity and excellent efficiency—24,000 BTU per hour and over 9 BTU per watt. It's the greatest *BTU per dollar* value to be found in the industry.

In the months ahead, you can expect more and more advanced developments like this from Bendix-Westinghouse. For we honestly believe we have an unusually capable group of engineering and manufacturing people.

In the meantime, if you are looking for ways to increase the capacity of your window or residential air conditioning systems, get the facts on our complete line of compressors.

Bendix-Westinghouse

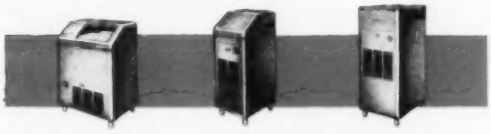
EVANSVILLE, IND.

A Division of Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio • Export Sales: Bendix International, 205 E. 42nd St., New York 17, N.Y.

Circle No. 37 on Reader Service Card

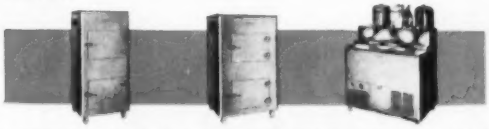
SELL THE Golden 50 LINE OF ICE MACHINES

LIFT A TOAST to greater profits in 1958! Now you can sell the greatest line of ice machines ever offered in the industry! Scotsman—the industry leader—now has *50 models* for you to offer. Here's your golden opportunity to sell *every* prospect who uses ice . . . more sales and profits for you!



YOU'LL CASH IN with Scotsman Super Flakers! Crushed ice by the scoop or by the ton! Scotsman Super Flakers produce the best—small, hard particles of ice that fit every need. There are 24 Scotsman machines to offer your customer. He'll get the right capacity when he picks a Scotsman. You'll ring up more sales, quicker and easier!

YOU'LL CASH IN with Scotsman Super Cubers! There are 8 models with capacities up to *500* pounds per day. If your prospect uses ice cubes, he *needs* a Scotsman machine. These Super Cubers make the big, round, solid cube—famous wherever beverages are served!



THERE ARE ADDED PROFITS, too, in the Super Bins and Drink Dispensers! They round out the finest line of ice machines you can sell. A wide range of Scotsman Super Bins hold up to 1500 pounds. You'll find that the new combination Drink Dispenser and Ice Machine opens new profit markets for you, too!

Scotsman now offers you 50 models—the most complete line of ice machines in the industry. These Super Cubers, Super Flakers, Drink Dispensers and Super Bins provide numerous profit opportunities. As a Scotsman dealer, you share in golden profits from the finest line of ice machines ever produced!

Why not celebrate at Scotsman's Profit Party? Apply today for your golden ticket — the valuable Scotsman dealer franchise!

Send me complete information about a dealer franchise for Scotsman Ice Machines.

NAME _____

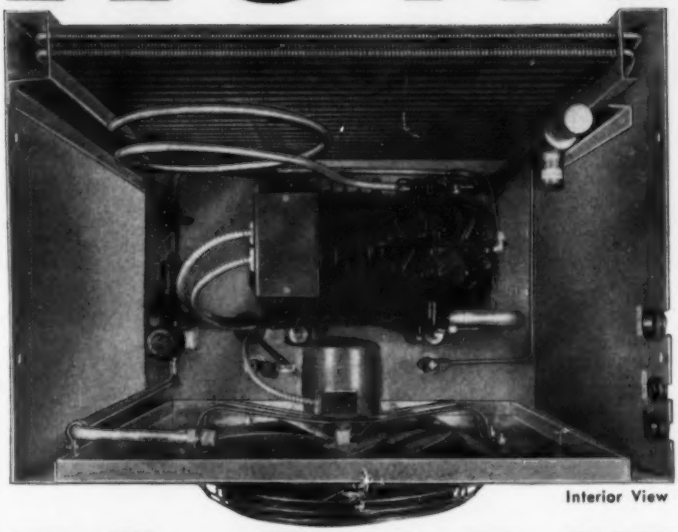
ADDRESS _____

CITY _____ ZONE _____ STATE _____

Mail to: SCOTSMAN—Queen Products, Inc., 193 Front St., Albert Lea Minn.
Subsidiary of KING-SEELEY Corporation

Circle No. 38 on Reader Service Card

new!



Interior View

new!

new!

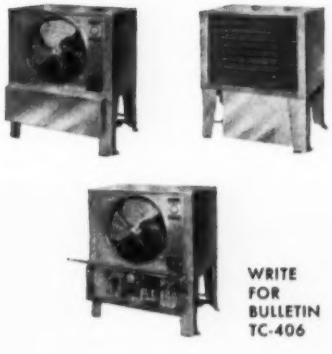
new!

KRAMER

THERMOBANK COMPRESSOR

FACTORY PACKAGED at LOW COST!

Kramer's new THERMOBANK COMPRESSOR overcomes the problems and uncertainties in field assembly of low temperature refrigeration systems. It's the only factory-assembled-and-tested automatic defrost system and includes a hermetic compressor, THERMOBANK re-evaporator and all controls. It arrives on the job ready to operate. Only simple connection to the Kramer evaporator is required and nearly all adjustments are eliminated. THERMOBANK COMPRESSOR uses an extra large air-cooled condenser and a high efficiency low temperature compressor—possible only with THERMOBANK—for maximum capacity at lowest cost. Tamper-proof aluminum case provides easy access to all components and maximum installation adaptability in any unconfined area. Units available on request for outdoor installation are designed for automatic trouble-free operation for any outside temperature.



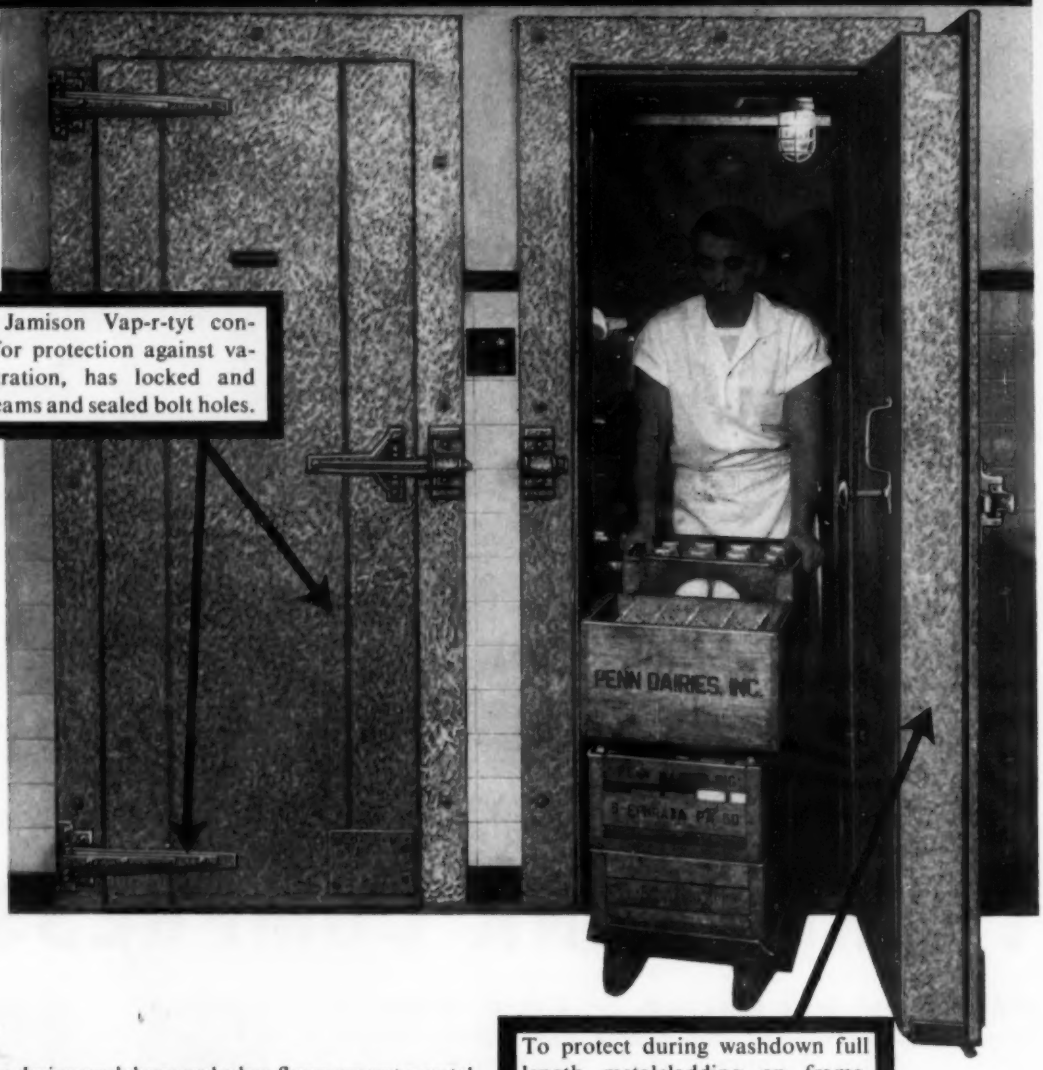
WRITE FOR BULLETIN TC-406

KRAMER TRENTON CO. • Trenton 5, N.J.

44 YEARS OF CONTINUOUS ACHIEVEMENT IN HEAT TRANSFER

Circle No. 56 on Reader Service Card

Jamison booted VAP-R-TYT* metal clad door protects against wet floors, frequent washdowns, high humidity

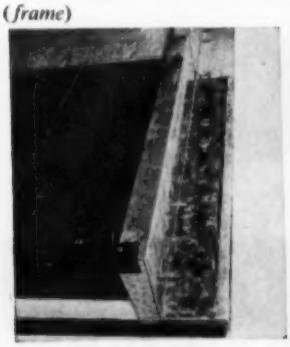


Exclusive Jamison Vap-r-tyt construction for protection against vapor penetration, has locked and soldered seams and sealed bolt holes.

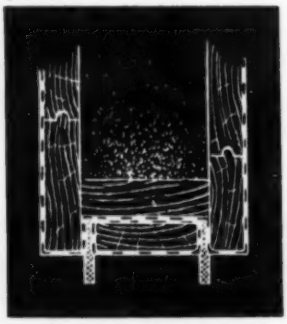
To protect during washdown full length metalcladding on frame, front and back of door.

For protection during washdown and when floors are wet a metal boot is formed by applying wrap around metal with locked and soldered seams to all sides and bottom including concealed surfaces.

(frame)



(door)



**VAP-R-TYT is a Jamison trademark*

More JAMISON Doors are used by *more* people than any other Cold Storage Door in the world.

JAMISON

COLD STORAGE DOORS

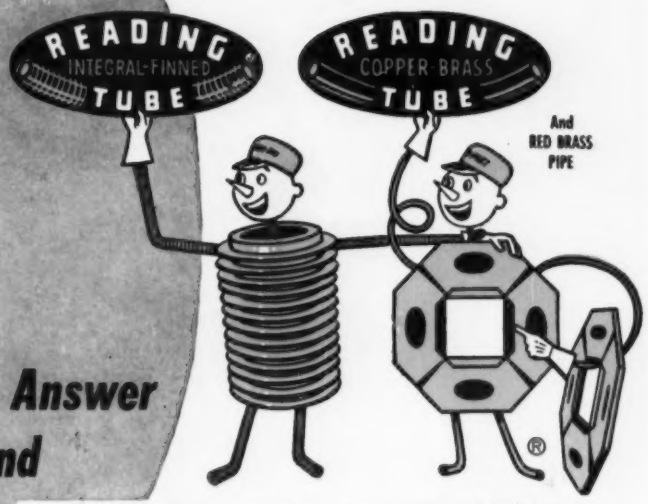
HAGERSTOWN, MARYLAND

Circle No. 41 on Reader Service Card

Mr. READI-FIN Joins Mr. READI-PAKT at

READING TUBE

to Produce the Perfect Answer to Heat Transfer and Refrigeration Problems



For years, industries that make or use refrigeration or heat transference equipment have learned to depend on READING for more than just copper tube. They know READING "Lektroseal" as the product of Specialists whose entire facilities are *concentrated* on the fabrication of tubing and tubing alone, from raw material to finished product. That's why that important bonus of reliability goes with every inch of READING output.

Specialized research and engineering, specialized quality control and inspection assure products second to none. Strategically located depots eliminate the problems of time and space. Personalized service delivers *exactly* what is wanted *exactly* when it is wanted.

Pursuing its policy of specialization, READING has developed and added to its famous tube products, a line of heat transfer tubing that is setting new records in the field. Preliminary reports from an independent testing laboratory rate this new tubing *the lightest in weight* and the *most efficient of its kind in the entire industry*. This product, known as Readi-Fin, cuts tubing requirements by more than 50% and increases efficiency by more than 20%; in fact it cuts the size of units needed and cuts costs too.

Made from one piece of copper, its extruded-extended surface offers maximum heat transference, rugged construction, easy fabrication, freedom from fouling. It's available in Water Tube types with finned or plain ends and in Condenser Tube types with finned, plain or stripped ends. All types are worthy of READING, America's "Tubing Specialists".

For more detailed information — phone, write or wire

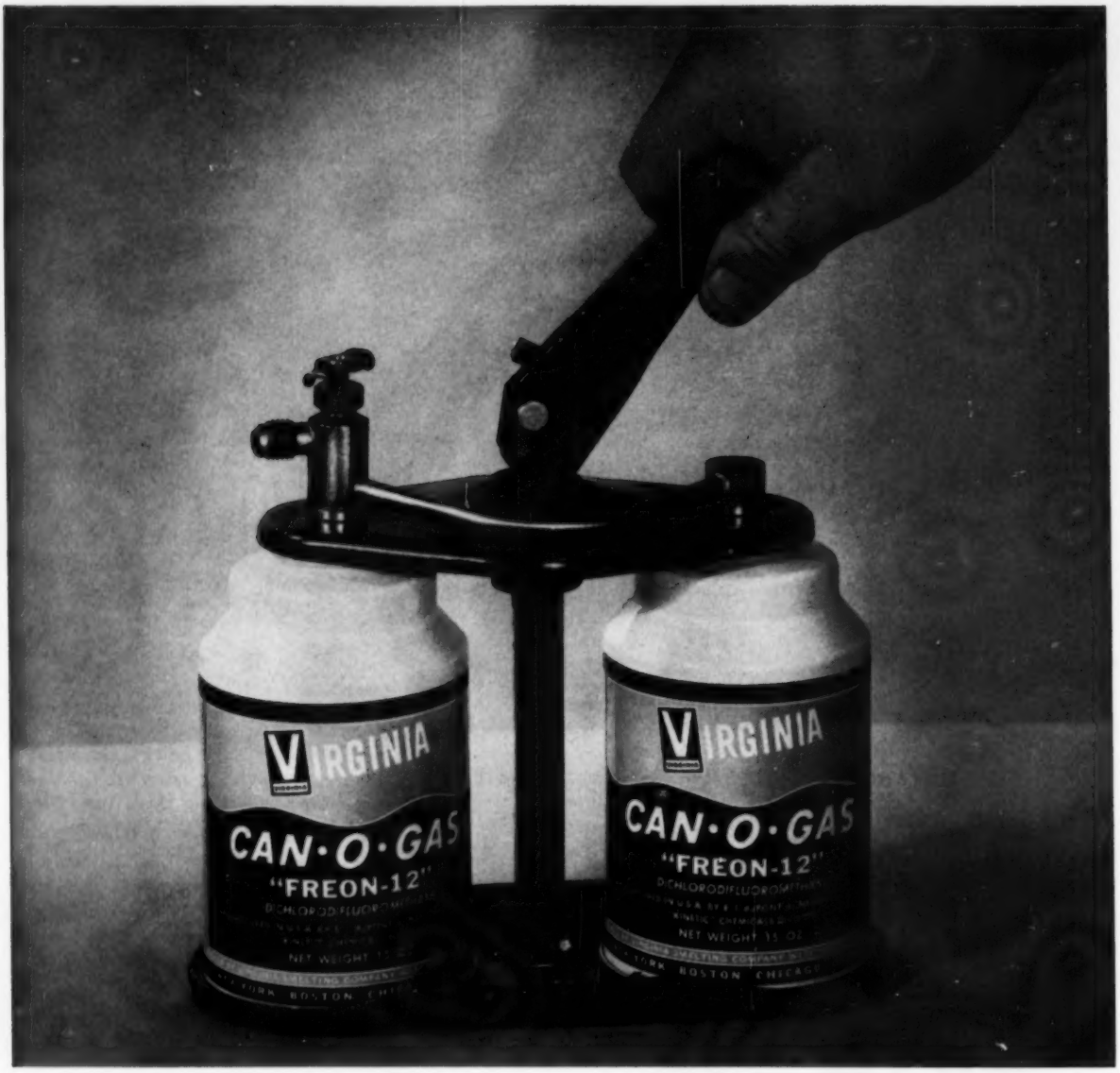
READING TUBE CORPORATION

Empire State Building, New York 1, N. Y. • Plant: Reading, Pa.

Distribution Depots:

READING, PA.	WOODSIDE, L. I., N.Y.	PHILADELPHIA, PA.	CHICAGO, ILL.	CLEVELAND, OHIO	DALLAS, TEXAS
ATLANTA, GA. 690 Murphy Ave. S.W. Unit 5 Bldg. B	OAKLAND, CALIF. 410 Hegenberger Rd.	LOS ANGELES, CALIF. 120 No. Santa Fe Ave.	DENVER, COLO. 2845 Walnut St.	HOUSTON, TEXAS 1121 Rothwell St.	9000 Sovereign Row Brook Hollow Industrial District

Circle No. 42 on Reader Service Card



For the first time... An accurate field method for adding critical charges of refrigerants

"Virginia's" new Can-O-Gas Multi-Opener provides, for the first time, an accurate method of adding critical charges of refrigerants in the field. With the Multi-Opener No. 2, by means of the proper combination of precision filled weights of "Freon-12," 15 different fractional charges—from 16 oz. to 30 oz. in ½ oz. increments—can be delivered with an accuracy of plus-or-minus 4 grams.

By use of the 3-can Multi-Opener No. 3, 31 different fractional charges are possible, from 24 oz. to 45 oz., also in ½ oz. increments. These novel, new Multi-Opener units are easy to operate, and are virtually indestructible. And the throw-away feature of Can-O-Gas containers completes the picture of the convenience of Can-O-Gas Multi-Opener charging. Can-O-Gas Multi-Openers deliver the refrigerant in the gas phase or—when inverted—in the liquid phase.

Order a supply of Can-O-Gas Multi-Openers No. 2 and No. 3 today for accurate field charging.

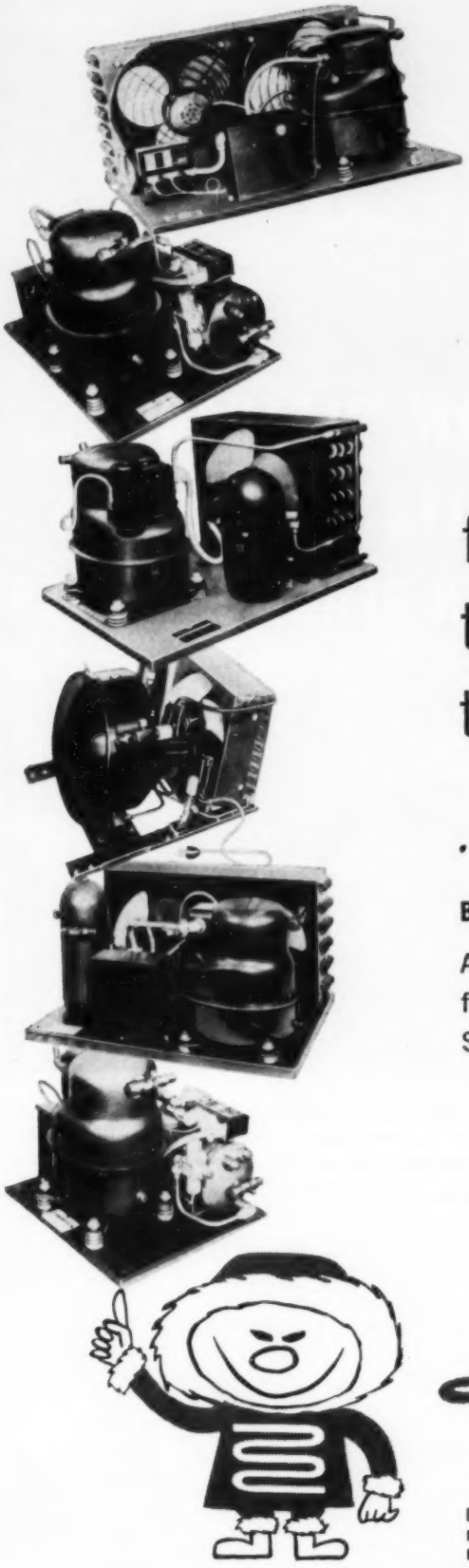
Refrigeration Division
VIRGINIA SMELTING COMPANY
237 Jefferson St.
West Norfolk, Virginia

VIRGINIA® Chemicals

ESOTOO • V-METH-L • CAN-O-GAS • VASCO-CEL • PERMAGUM PRESSTITE TAPE • KWIKWRAP • SUNISO REFRIGERATION OILS WATER TREATMENT CHEMICALS • SALES AGENT & REPACKER FOR "FREON" REFRIGERANTS

Available in Canada and many other countries

Circle No. 43 on Reader Service Card

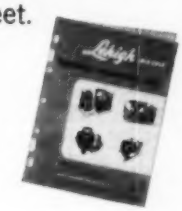


for the **size** you need...
the **capacity** you want...
the **quality** you expect...

.....Specify ***Lehigh!***

BLU-COLD HERMETIC CONDENSING UNITS

Any size, from 1/5 to 2 H.P.
for any application, commercial or industrial.
Send for new 4-page catalog sheet.



Lehigh condensing units

LEHIGH MANUFACTURING COMPANY, Division of Lehigh, Inc., Easton, Pa.
Manufacturers of Open Type and Hermetic Condensing Units and Compressors.
EXPORT DEPT.: 13 East 40th Street, New York 16, N. Y.

Circle No. 44 on Reader Service Card

A CHAIN REACTION—one sale leads to another when users experience the twin advantages of H&M's Water-Cooled Condensers—peak efficiency and lowest maintenance.

Double-tube design and counterflow introduction of water and refrigerant assure most efficient heat transfer. Refrigerant flows through the outer tube and the water through the inner tube for maximum heat interchange.

Removable headers permit easy water tube cleaning with a simple, accessory cleaning tool. Scale and sludge which reduce heat transfer are removed without harmful chemical cleaners. Condenser capacity is maintained at clean-tube performance ratings for unit lifetime.

Condenser compactness makes these units ideal for conversion of under-capacity air-cooled refrigeration systems. All H&M units are U/L approved for use with refrigerants -12 or -22.

Call your wholesaler or write *Halstead & Mitchell, Bessemer Building, Pittsburgh 22, Pa.*

ONLY HALSTEAD & MITCHELL OFFERS THIS WIDE CHOICE

HEAVY DUTY (Type T) condensers have a highly favorable fouling factor and are designed for long service between cleanings. ⅓ through 25 tons.

STANDARD DUTY (Type EL) are made with extended surface water tubes, ideal for water-cooled systems under all average conditions. ⅓ through 3 tons.

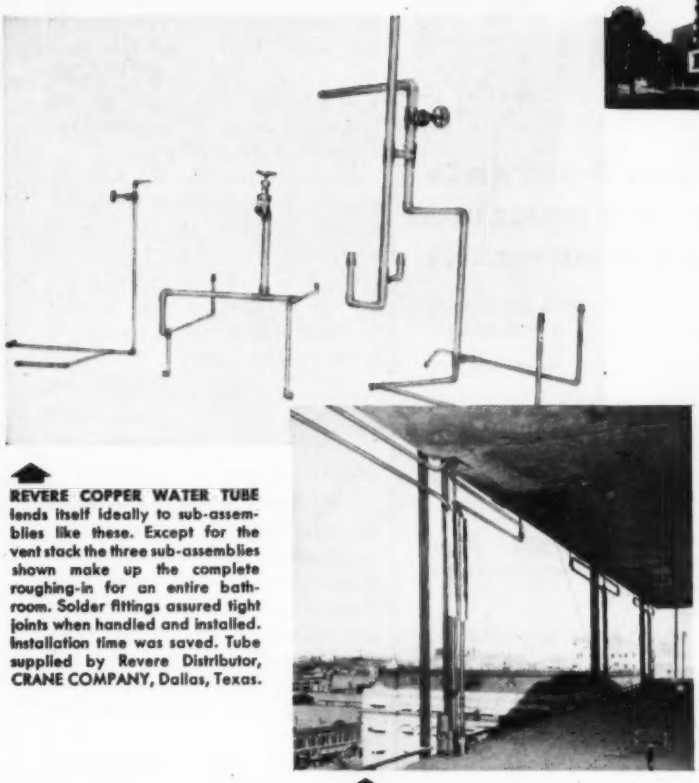
REPLACEMENT CONDENSERS (Type R) are shorter, higher condensers designed for use in package air conditioners. Easily installed. 1½ through 10 tons.

SEA WATER CONDENSERS (Type SW) are made with cupro-nickel water tubes and naval brass headers for resistance to impure water. ⅓ through 25 tons.

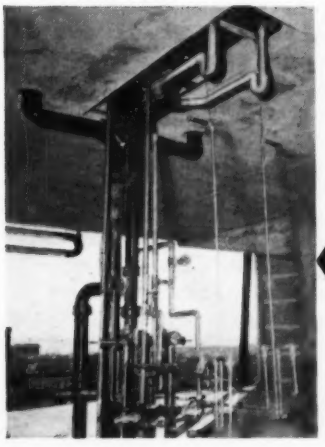
HM Halstead & Mitchell

Circle No. 45 on Reader Service Card

Ease of Prefabricating
REVERE COPPER WATER TUBE
a big factor in proving copper costs less than rustable material to install



REVERE COPPER WATER TUBE lends itself ideally to sub-assemblies like these. Except for the vent stack the three sub-assemblies shown make up the complete roughing-in for an entire bathroom. Solder fittings assured tight joints when handled and installed. Installation time was saved. Tube supplied by Revere Distributor, CRANE COMPANY, Dallas, Texas.



CHILLED WATER CIRCULATING SYSTEM of Revere Copper Water Tube showing expansion loops and risers which are carried out through the entire periphery of the building. All tube will eventually be insulated as shown. Note absence of joints when easy-to-bend Revere Copper Water Tube is used. It would have been necessary to cut 8 threads and make 8 fittings, in this one set of loops alone, had rustable pipe been used here.

PHOTO SHOWS a complete roughing-in of two abutting baths, together with copper drainage lines from the two bathtubs in the bathroom above. Easier fabrication, less space requirements and the non-rusting qualities of copper are the reasons for using this material for these drainage lines on this job.

THE STATLER HILTON HOTEL
Dallas, Texas

IN this newest Dallas hotel there were 60,000 lbs. of Revere Copper Water Tube in diameters ranging from ⅜" to 2⅛" used for hot and cold water plumbing lines and chilled water lines for air conditioning.

A most interesting feature of this installation was the various sub-assemblies used. (See upper left photo) According to Mr. Brown of the BROWN-OLDS COMPANY, mechanical contractors on the job, "The prefabrication of the sub-assemblies saved many hours of installation time, thus making a copper job cost less than rustable materials to install. But that's only *one* reason we prefer copper water tube. Not only is time saved with the solder fittings used, but you can work in the tight spots without worrying about wrench space. You are always sure of tight joints, and sub-assemblies can't work loose in handling. Then, of course, there is never any corrosion problem, so we always feel confident of doing a good job when we use copper water tube."

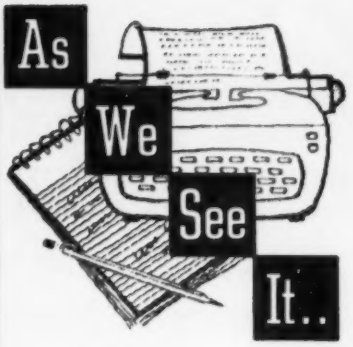
These same outstanding characteristics of Revere Copper Water Tube also make it the preferred material for radiant panel heating, underground service lines, drainage, waste and vent lines, oil burner and processing lines.

REVERE COPPER AND BRASS INCORPORATED
Founded by Paul Revere in 1801
230 Park Avenue, New York 17, N. Y.

Mills: Rome, N. Y.; Baltimore, Md.; Chicago, Clinton and Joliet, Ill.; Detroit, Mich.; Los Angeles and Riverside, Calif.; New Bedford, Mass.; Brooklyn, N. Y.; Newport, Ark.; Ft. Calhoun, Neb. Sales Offices in Principal Cities, Distributors Everywhere.

COPPER ★ BRASS ★ REVERE ★ ALUMINUM ★ 1801

Circle No. 46 on Reader Service Card



Take a good look at the 1958 air conditioning specifications in this issue. They're different than any you've ever seen. For the first time in the industry we are presenting them by product type rather than by application.

Manufacturers like this new approach. It has made it easier for them to list their various lines of equipment without duplication or confusion. We feel sure that readers will enjoy these same benefits in being able to select or compare models without regard to end use.

Turn to page 73 and see for yourself!

* * *

"There's a silver lining through the dark clouds shining . . ." so go the lyrics of an old World War I ballad. And now, through the gloom that seems to have enveloped the air-conditioning industry, comes a bright ray of promise in the building forecast just released by *Architectural Forum* magazine.

During the next 10 years, *Forum* predicts a construction boom of "dazzling" proportions, with expenditures rising 50% over those of the past record decade. A staggering $600 billion will be spent on construction between now and 1967, the magazine estimates, compared with $409.6 billion from 1948 through 1957.

This golden vision of the future is based on studies just completed by the magazine's economic consultant. These studies indicate that during the next 10 years both business and residential building will be up 70%, and school building will be up 45%. Tremendous additional outlays will be made

for hospital and church building, the report predicts.

What such a boom will mean to the entire air-conditioning industry should be obvious. So let's all put away the sackcloth and ashes and start building for the solid future this business is sure to enjoy.

* * *

"Buy American" — that's the theme of an advertising campaign being conducted by the U.S. copper and brass industry in an effort to combat the growing gravity of the import problem.

This campaign stresses the excellent manufacturing and performance standards of American-made products, and the service and responsibility of American producers.

Through the Copper & Brass Research Association, the industry has recommended immediate relief for American manufacturers to help them meet the threat of low foreign labor costs.

This relief would take the form of an interim quota pending further investigation and hearings. Then, if proved justified, permanent relief would be made available.

* * *

Air-conditioning will share in the vast viewer-interest bound to be stirred up by a new half-hour filmed weekly TV program series that will make its debut in some 200 cities this spring.

This "Building America" program is specifically designed to promote the building industry and allied businesses. Frigidaire Div. of General Motors will be represented by stories on air-conditioning and kitchen appliances.

Four 1-minute periods in each program are being sold to local advertisers, giving dealers and contractors an excellent opportunity to promote their own products and services to a receptive audience.

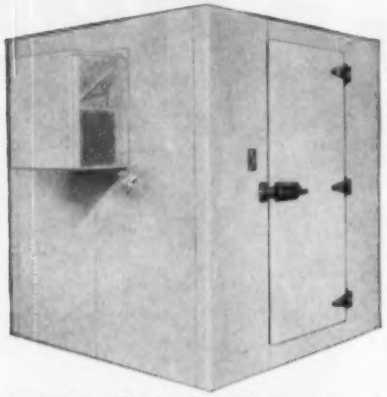
* * *

Color in commercial refrigeration cases has come a long way since it was first introduced a few years back. At first it was hailed as simply "something dif-

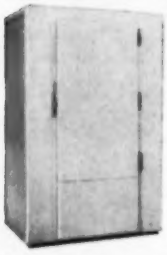
cool, cold, or frozen

NOR-LAKE

answers <u>all</u> your refrigeration needs!



NOR-LAKE's All-Metal, Walk-In Cooler leads the field with: • New and amazingly compact NOR-LAKE Plug-In Panel for guaranteed power (optional) • Exterior of Cooler is rugged 20 ga. cold rolled steel • White baked enamel finish • Interior of galvanized sheet steel • Oil-sealed hardwood floor to lock out moisture • Fiberglas insulation. The NOR-LAKE all-metal, walk-in cooler is shipped in easy-to-put-together sections. Also available in stainless steel.



NOR-LAKE's Reach-In Refrigerators come in *every* size with: • Fiberglas Insulation • Hermetically-sealed compressor • Automatic defrosting unit • Choice of baked enamel or stainless steel finish • Available also with triple thermopane glass door.

NOR-LAKE's Sliding Door Beverage Cooler offers you: • Durable stainless steel sliding doors • Welded steel constrution • Heavy gauge galvanized liner • ⅓ H.P. sealed compressor • Adjustable temp. control • 3" Hi-Density Fiberglas Insulation.

These are just three models in NOR-LAKE's complete line of coolers, refrigerators and freezers. For free details on the entire line or any specific model, simply fill in and mail the coupon today.

Dept. **202,** NOR-LAKE, Incorporated, Hudson, Wisc.

Please rush me *free* information on:

NOR-LAKE Coolers_____ Freezers_____ Refrigerators_____

My type of operation (Restaurant, store, institution, etc.)

_____

NAME_____

ADDRESS_____

CITY_____ STATE_____

All models available in stainless steel

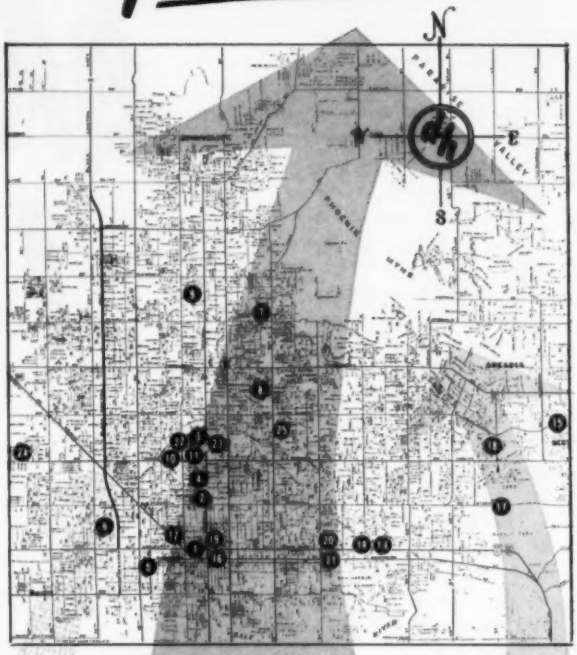
For better freezing, cooling, and storing, look to the Northland and . . .

NOR-LAKE, Incorporated, Hudson, Wisconsin

Circle No. 50 on Reader Service Card

courtesy **DRAYER-HANSON** *and* **E. B. BOMAR** (SALES AGENT)

AIR-CONDITIONED *Phoenix!*



1. First Presbyterian Church
2. Central Methodist Church
3. 3300 Building
4. Central Medical Bldg.
5. Arizona State Highway Dept.
6. Carl Hayden High School
7. Rose Lane School
8. Madison School No. 5
9. Madison School No. 6
10. St. Joseph Nurses Home
11. First National Bank, Thomas & Central Branch
12. Egyptian Motel
13. Sands Motel
14. Highway House Motel
15. Valley Ho Motel, Scottsdale
16. Down Town Motel
17. Motorola Research Lab.
18. Motorola Western Electronic Center
19. Republic & Gazette Newspaper
20. Arizona State Hospital
21. Flamingo Motel
22. Park Central Shopping Center
23. Central Investment Co.
24. Banks Medical Bldg.
25. KTVK Television Studios

The Burst-At-The-Seams activity that is today's Phoenix, Arizona, can best be measured by these diversified Drayer-Hanson air conditioning installations, recently sold by the E. B. Bomar organization, 914 W. Madison Street, Phoenix . . .

One of D-H's live-wire, local-area Teams ready to assist in your engineering-application problems!

Request name of Sales Agent nearest you

drayer-hanson

DIVISION OF NATIONAL-U.S. RADIATOR CORP

3301 MEDFORD STREET

LOS ANGELES 63, CALIFORNIA

CABLE: FORTRADE, LOS ANGELES

Circle No. 49 on Reader Service Card

ferent" than the traditional white. Then it became a means of blending fixtures with a store's decor. Now Bally Case & Cooler Co. claims to have exploited all of the psychological advantages of color in selecting the hue for its new line ice cream cabinets.

"In selecting this color," says sales manager Leon Prince, "we sought one single color that would do several jobs. It had to attract, remind, appeal, and inspire. It had to please store operators and not clash with existing fixtures. It had to be a color that customers would associate with the pleasure of eating ice cream. After much scientific study, color engineers came up with a light, happy shade of yellow that met all the requirements. Its appropriate name — Lemon Ice."

* * *

Best way of bucking any downward sales trend is to build better dealers. Recognizing this fact, Janitrol Div. of Surface Combustion Corp. last year organized what it calls its "Select Dealer" program.

This dealer group is dedicated to the idea of improving consumer service on the local level. Along with Janitrol, they have committed themselves to regular technical and sales training, frequent courses in business management, and consistent 52-week planned local advertising programs.

Result? Although the program has been in operation less than a year, the company is convinced that the investment in time and money by these dealers has paid off. Says Janitrol's general sales manager Harry C. Gurney: "In spite of a sales decline of over 15% in the industry, the sales of our Select Dealer group have shown no decline!"

DISTRIBUTION EXPANDED FOR FIBERGLAS DUCT

"Fiberglas" duct materials, for heating and air conditioning units, now are being distributed on the local level to appliance and air conditioning equipment dealers, sheet metal contractors, and wholesale firms, according to Owens-Corning Fiberglas Corp.

PEERLESS REDI-PAK PUMPS: FROM WAREHOUSE TO DEALER, OVERNIGHT!

That's right! Peerless has individually sealed and packaged 22 sizes of pumps from its famous end-suction Fluidyne line, in popular sizes from 1 to 15 hp. These versatile, efficient pumps will handle virtually any general purpose pumping requirements. Their clean, compact design means a made-to-order fit in any piping or pumping layout. Their rugged, built-to-last construction makes them ideally suited to installation indoors or out, to duty that's continuous or intermittent. You name the job and there's a Peerless REDI-PAK to handle it. There's performance for your customer and profit for you in the Peerless REDI-PAK line. Write for full information.

PEERLESS *Fluidyne*® REDI-PAK PUMPS

Putting Ideas to Work

FOOD MACHINERY AND CHEMICAL CORPORATION
Peerless Pump Division
Plants: LOS ANGELES 31, CALIFORNIA and INDIANAPOLIS 8, INDIANA

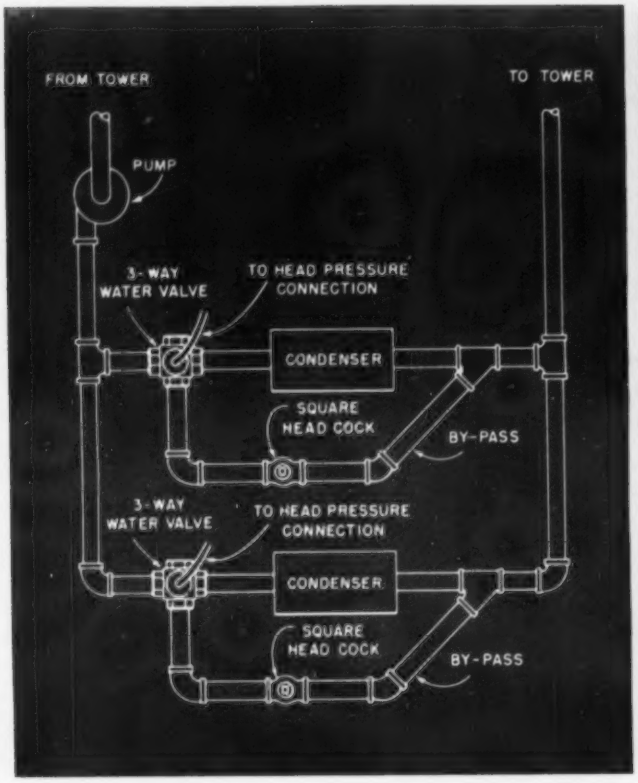
FOOD MACHINERY AND CHEMICAL CORPORATION • PEERLESS PUMP DIVISION • 2005 Northwestern Ave., Indianapolis, Indiana
Please send me Peerless Pump Bulletin No. 8-2319.

NAME_____ POSITION_____

COMPANY_____ ADDRESS_____

CITY_____ ZONE_____ STATE_____

Circle No. 54 on Reader Service Card



Typical piping arrangement showing how water valve can be used on single or multiple condenser hook-ups.

New Penn 3-way water valves for cooling tower service

MAINTAIN UNIFORM HEAD PRESSURES

to give maximum cooling efficiency!

DESIGNED TO ASSURE MOST ECONOMICAL AND EFFICIENT USE OF COOLING TOWER REGARDLESS OF SURROUNDING AIR TEMPERATURE AND HUMIDITY

Now . . . you can get full capacity and efficient operation from water-cooled commercial refrigeration and air conditioning equipment with Penn's new 3-way water valves. These pressure-actuated valves will maintain correct and uniform refrigerant head pressures regardless of the water temperature from the cooling tower.

This new water valve senses the head pressure, then its 3-way action automatically allows cooling water to flow to the condenser, to by-pass the condenser, or flow to both condenser and by-pass line as required for maximum cooling efficiency. Even when the condenser does not require cooling, water flows through the by-pass line to the tower. Thus, an adequate head of water is provided at the tower so it can operate efficiently with a minimum of maintenance on nozzles and wetting surfaces.

These Series 3246 water valves are available in ½", ¾", 1" and 1¼" sizes. Similar in design to the famous Penn 246 valve . . . all internal parts are of aluminum bronze to resist acid water attack . . . and, of course, range spring and sliding parts are not immersed in water.

Try the Series 3246 on your next cooling tower job . . . it will solve the problem efficiently and economically. Ask your wholesaler for the full story.

PENN CONTROLS, INC. Goshen, Indiana

EXPORT DIVISION: 27 E. 38th ST., NEW YORK, N.Y.

AUTOMATIC CONTROLS FOR HEATING, REFRIGERATION, AIR CONDITIONING, APPLIANCES, PUMPS, AIR COMPRESSORS, ENGINES

Circle No. 55 on Reader Service Card

Let's Talk Business!

Let's Keep Sales Cost in the Price!

ON the "Let's Talk Business!" page of the January issue, we discussed the price war that seems to be taking place in the air-conditioning industry. Many comments on these remarks have been received from dealers, contractors, wholesalers, and even some manufacturers. For the most part, those making the comments agreed that there was a great lack of confidence in the so-called price sheet, and that this lack of confidence was affecting the sales abilities of the salemen.

Frankly, we're convinced that it doesn't stop there. We strongly feel that this price situation is affecting not only the salesmen but also all other members of the industry — the servicemen, the installation mechanics, the wholesaler's employees, and certainly the manufacturer's personnel. In fact, the jobs of many of these people are in jeopardy if this mad chase to beat the lowest reported price continues.

It's certainly no secret that each time a concession is made in the price of a product, some corners have to be cut in producing or distributing the product. These cuts may be in labor cost or they may be in material cost. But if my eyes and ears don't deceive me, many of the current price concessions are being made at the expense of those services that normally go into selling the product.

Salesmen are being cut loose — and certainly they should be if they are non-productive. But you can't expect one remaining salesman to do two salesmen's work.

Educational programs aimed at the sales, installation, and service levels are being reduced or eliminated because of the lack of funds.

Sales aids such as product literature, display setups, and direct mail pieces are being held up or chopped out entirely. Advertising at both the national and local level has been drastically reduced.

We realize that inventories have to be moved, but elimination of these normal services that are needed to sell the product to the end user — just to make it possible to offer the product at a lower price — will only lead the industry into more difficulty.

This business is in an enviable position because we have an extremely low percentage of saturation of the available market. But we are not going to increase this saturation level to any great degree until we convince this market (and this means the American people as a whole) that they need the benefits our products have to offer.

Internal competition is healthy, but let's not permit this present price war to blind us to the fact that as an industry we are in competition with hundreds of other products for the consumer's dollar. If we fail to properly promote our product to these people, we can price air-conditioners at a dollar a dozen and still go begging for customers.

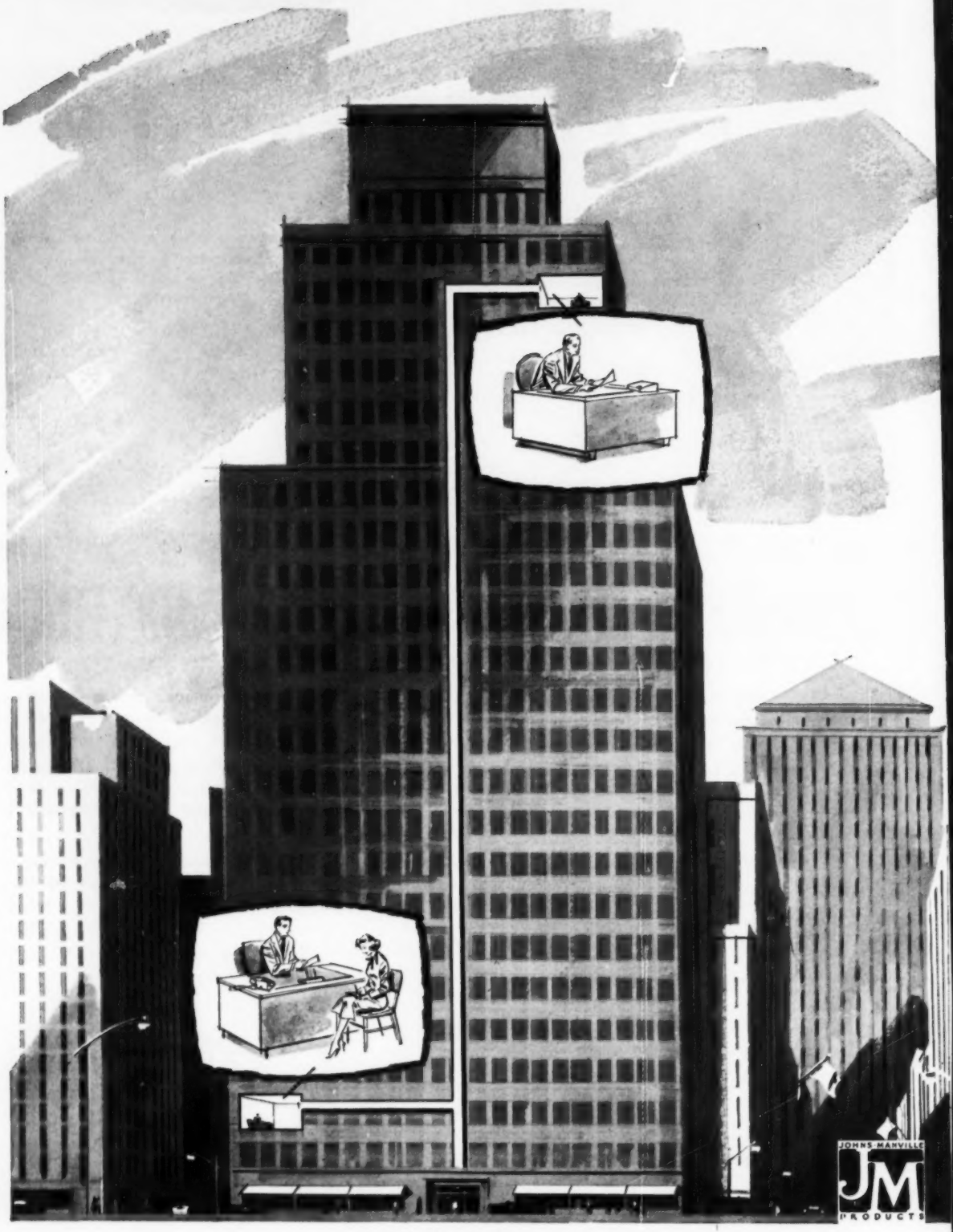
Let's keep the price of salesmanship in the price of the product.

Good luck and good selling.

Thom Muir

EDITOR'S NOTE: Thom Muir invites you to write to him regarding any sales problem that you might wish him to discuss. Address your letters to him in care of this magazine.

Mr. Smith is 600 duct feet farther from



the fan room than Mr. Jones, yet . . .

both men work comfortably at the same temperature!

when ducts are *fitted square and tight* with Johns-Manville semi-rigid Spintex Insulation

SEMI-RIGID SPINTEX® works two ways to lessen heat loss, stop condensation: first, with low conductivity . . . then, with its square, tight fit. The structural strength of this material, which is fastened snugly to duct surfaces with pins and clips, prevents "ballooning" due to duct leakage. And butted or mitred joints eliminate stretching and thinning of the insulation at corners. Instead, there's a full thickness of Spintex—with full protection against heat loss and condensation—over the *entire duct area.*

This two-way "edge" in insulating effectiveness is the big reason why leading engineers everywhere specify semi-rigid Spintex . . . for factories, institutions and office buildings of every description.

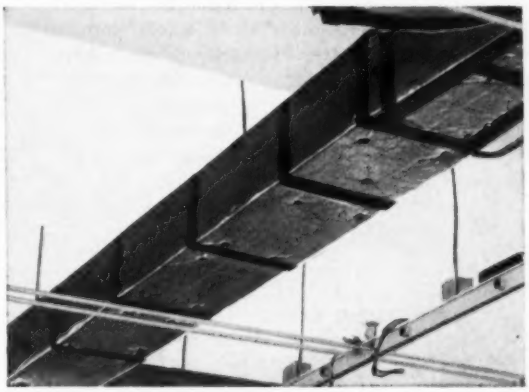
Produced by a new Johns-Manville spinning process, today's Spintex offers more insulating value than ever. Its mineral fibers are smaller in diameter, and substantially more uniform. This improved fibrous structure adds countless heat-blocking dead-air spaces per cubic inch to help keep working temperatures precisely the same throughout the structure . . . with minimum operating costs!

Your Johns-Manville sales representative will be pleased to send you information, along with samples of Spintex and J-M facing materials. Why not call him today. Or write Johns-Manville, Box 14, New York 16, N. Y. In Canada, 565 Lakeshore Road East, Port Credit, Ontario.

LESS HEAT LOSS...NO CONDENSATION AT CORNERS!
Semi-rigid (not flexible) Spintex fits squarely and tightly all duct surfaces. Stretching and thinning at corners, unavoidable with wrap-around insulations, are eliminated completely. Instead, Spintex retains full thickness everywhere to stop heat loss and condensation. Its structural strength prevents "ballooning."

FACED FOR ANY SPECIALIZED NEED!
J-M offers you a facing to meet any vapor condition, incombustibility requirement or decorative need. Provides good base for plaster finish . . . or where no facing is indicated, Spintex presents an attractive appearance with trim, tidy joints.

INSTALLS QUICKLY . . . ECONOMICALLY.
Spintex is clean, sanitary and "friendly" to handle. It cuts readily with an ordinary knife. Installs quickly, easily, even when ducts are curved or in difficult-to-reach areas.



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JOHNS-MANVILLE

Circle No. 33 on Reader Service Card

Continuing a 12-part series:

YOU'RE THE BOSS	JANUARY	FEBRUARY	THIS MONTH	APRIL
	How To Analyze Your Business	Business Philosophy	Planning Ahead for Profits	Organizing for Effective Contro

by GEORGE C. WEBSTER, president, George C. Webster and Associates, Inc., Management Consultants

Budgeting — or

DO YOU HAVE ANY IDEA what your Profit and Loss Statement will look like at the end of next month, next quarter, or next year? If you don't you're in trouble. It means you haven't been properly budgeting your business activities, or planning ahead for profits.

Budgeting is a distasteful word to many of us, but it's an essential ingredient of any successful business operation. If you don't plan ahead for profits, chances are there won't be any profits.

That's why sales, gross profit, and expenses should be estimated or budgeted in advance. It gives you a chance to predict whether or not the profit available at the end of any predetermined period will be satisfactory. If it looks like it won't be, now is the time to do something about it.

Don't be misled, however. There is no exact science involved in any such prediction. There is no foolproof way of assuring its accuracy. But while the weakness of budgeting is this possibility of error, its strength lies in the fact that it forces management to set down in painstaking detail the cold figures that can guide any business to more satisfactory operation.

In fact, a sincere attempt to set up budgeting in a company can prove of value, even though the budget itself is never used.

MANAGEMENT CLINIC: *Need help on some of your specific management problems? George Webster offers CRAC readers the benefit of personal consultation by mail. Simply send your questions to him, c/o this magazine. He will answer you directly — and without charge.*

REPRINTS *of this article — and eventually the entire series—will be available. Price of this one: 35¢. Send order and payment to Reprint Dept.,* COMMERCIAL REFRIGERATION & AIR CONDITIONING, *812 Huron Road, Cleveland 15, Ohio.*

What are the specific advantages of budgeting? Here are some of the things it does for you:

It develops in you, and in other members of your firm, skills which make the results of your business efforts more satisfactory over the years.

It requires you to set up an adequate and proper organization working together toward a common aim. (Organization will be discussed in more detail in next month's article.)

It compels you to demand adequate historical accounting data. (There will be more about accounting in a future article.)

It instills in you, and in others on your management team, the habit of timely, careful, and adequate consideration of all factors before reaching important decisions.

It forces you to give timely and adequate attention to the *effect* of expected trends in general business conditions.

It aids you in obtaining bank credit, which, of course, is based on your future ability to pay. (More about financing also will be presented in a forthcoming article.)

It forces you to periodically make a critical analysis of your company.

It pinpoints the efficiency — or lack of efficiency — of your organization, and tells you when operations are satisfactory.

The first step in budgeting is the Sales Forecast — the prediction of your volume for the next year and the years to come. To make this forecast you will need your sales figures for at least the last five years. If possible, these figures should be broken down by the major categories of your business, such as commercial refrigeration, commercial or residential air-conditioning, heating, and service.

You also should have trend figures covering your marketing area for the same period or longer on such

Planning Ahead for Profits

indicative factors as population, number of dwelling units, amount of construction, number of electric meters, per capita income, employment, or any other statistics relating to the economic growth of the community. These figures generally are available from the local Chamber of Commerce, local government agencies, and public utilities.

You should try to uncover any economic forecasts or market surveys made for your area, as these will be helpful to you in making your own forecasts. It is possible that your distributor or manufacturer has made forecasts in your area, or at least can furnish you with statistics on industry sales in your area of products you handle.

You should talk to other businessmen, bankers, and even competitors, to get a feeling of the economic outlook. Read what the business columnists of your local newspapers have to say. Reports in trade journals are often helpful. So are predictions of trade associations.

Now get lots of graph paper, a ruler, and some sharp pencils of various colors. Along the bottom line

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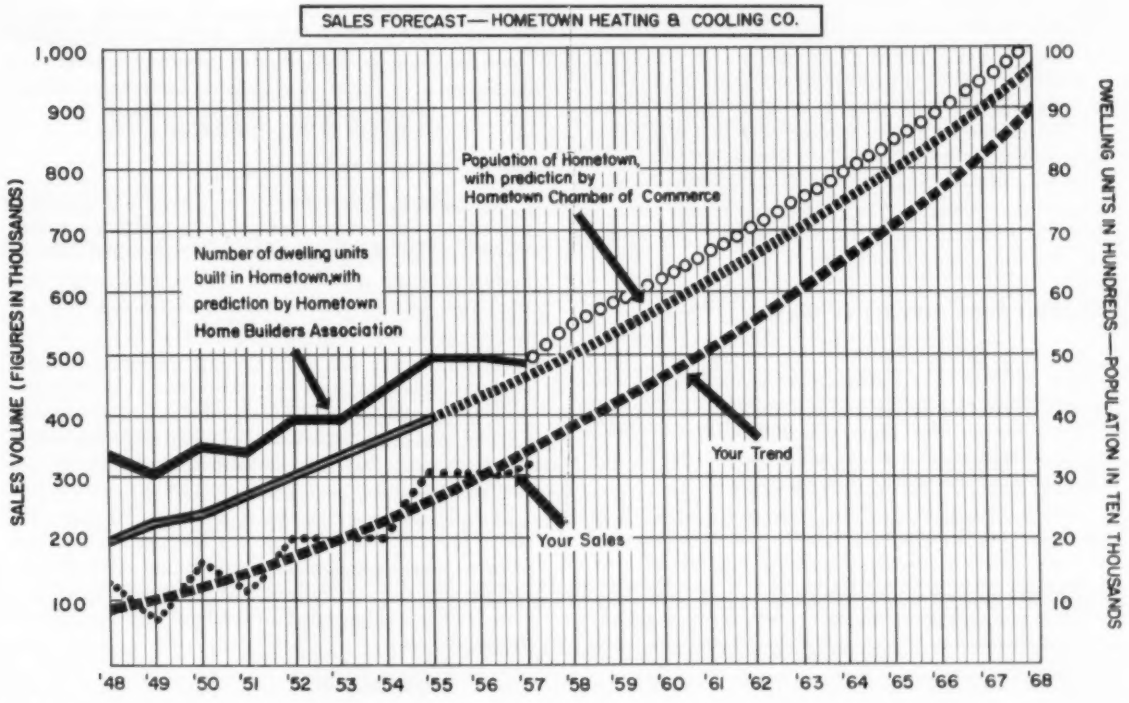


of the graph write in the years. Go back as far as your figures are available, but at least five years. Also go forward at least five years.

On the left hand vertical side of the graph indicate levels of sales volume. Make sure that you have room on the paper to go well beyond your present volume. Plot in each known point, year by year. Then connect all these points. This line will represent your actual sales curve.

Now, in a pencil of another color, try to draw a smooth flowing line that reflects the general pattern of the jagged, point-to-point sales curve you have already plotted. Project this line (but lightly) about five years into the future, ignoring existing conditions that may affect the current year's volume.

This is your trend line. If you have a philosophy of growth, the curve will be concave, as shown in the accompanying illustration.

Growth Curve Should Be Concave

If your growth curve shows as a straight line, even though a steadily rising one, your business is really slipping downhill. If you can't understand how this could be true, just plot a straight line on the graph and you will quickly see that the year to year increases steadily become a smaller and smaller percentage of the previous year's sales.

Now draw in curves based on the economic data for your area that you have collected. Draw each one in a different color, and use appropriate designations on the vertical line at the right hand side of the graph. Now look at these curves and note their general shape. Do they tend to coincide with the pattern indicated by your own trend curve?

Remember, no one can determine the future course of any business with absolute accuracy. But the use of this technique improves your accuracy and is infinitely better than refusing to make a formal prediction. As you gain experience in this technique of sales forecasting, your ability will improve. Your degree of accuracy will improve along with it, and you should find the whole idea fascinating.

Forecast Each Product or Service

The same process used in forecasting your company's over-all sales volume now should be applied to each class of product or service you sell, to see if it is following the general company trend. These curves should point up individual weaknesses in any phase of your operations that need attention.

Always remember to keep your sales objective in line with your installation capacity and your financial strength. Never project your sales curve beyond your own ability to keep pace with it.

When you feel that your next year's forecast reflects a proper extension of your trend line, weigh your next year's sales estimate against current economic conditions that may have an immediate effect on your growth.

For instance, if you are in a steel town and steel is down this year, employment also will be down, and consequently your sales may be off the trend. You can check this against the effect that any previous recession in your area has had on your sales.

When you have arrived at a final estimate of next year's sales, break it down by month, according to the average monthly percentages of your business in the past. Give due consideration to any changes in the monthly sales pattern that might affect your seasonal breakdown.

Check Figures Month by Month

Draw a graph of the monthly figures for the past three years and check it against your projection, to see if this projection looks realistic. In general, the best month of any previous year will not often be exceeded in your forecast.

Your sales forecast should be realistic. It should allow for a recession if you foresee one. It should take into consideration such factors as competitive conditions and the demand for your goods and services.

It should be weighed against your own ability to meet the goal you have set, as well as against your organization, facilities, and capital. But also it must reflect your own business philosophy on growth, and your personal desires for the future.

It has been assumed in making this forecast that your prices will remain as competitive as they have been in the past. Obviously, if you lower your prices your volume will go up and your gross profit down.

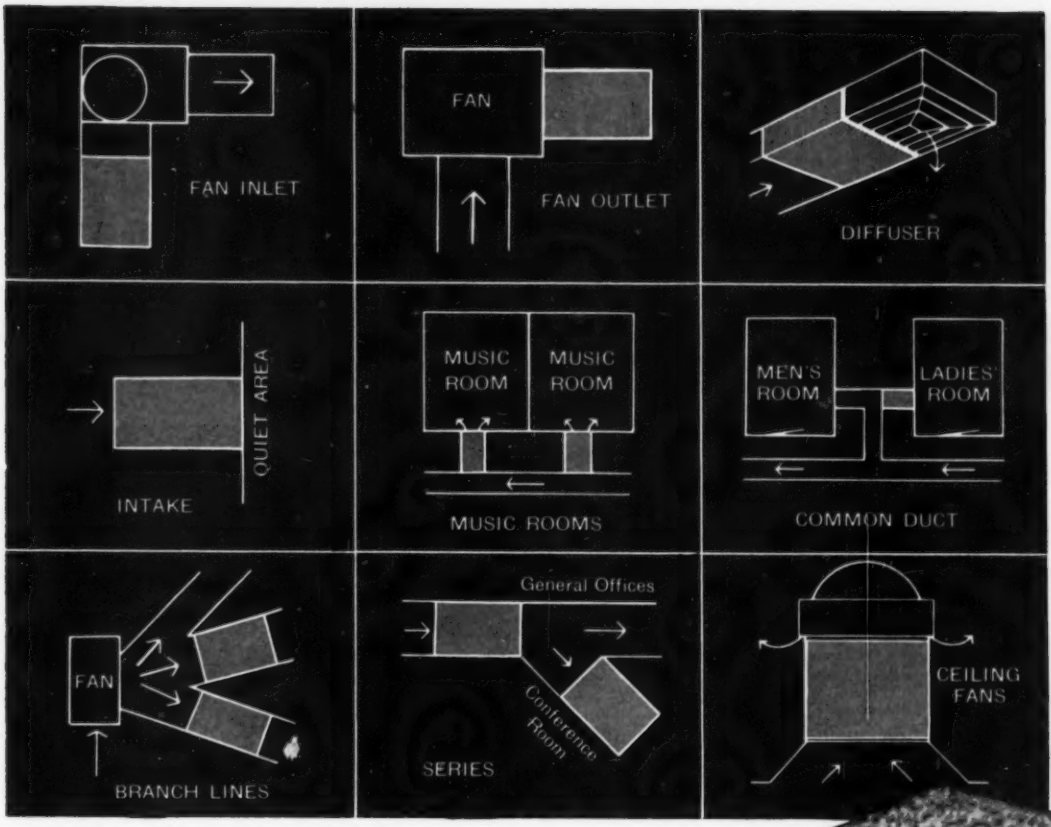
This volume-profit relationship will be taken up later in this series in the article devoted to accounting. This article will describe a method of analysis called a "break-even chart". If, after making such an analysis, you decide to lower or raise your price level, you might raise or lower your volume forecast accordingly.

Sales Forecast Is Starting Point

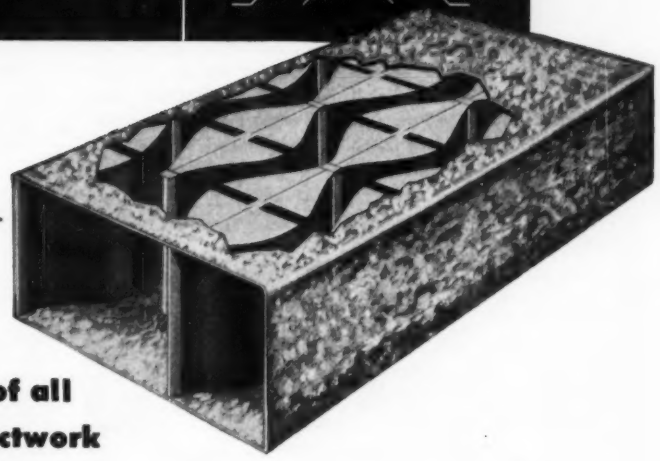
Not only is your price level related to sales, but expenses, sales costs, financing, organizational size, facilities, and similar factors also are related. In any budget program it is the sales forecast that is the starting point, because it is the volume of business you will do that will determine the other budgets.

As we develop the other budgets in future articles, you may find it necessary to revise your sales estimates in keeping with any limitations that may be imposed. This is a normal experience in budgeting. Each part is related, and each must be in balance before figures can be finalized.

Only by this process can you be assured that your entire operation is geared to the most economical use of labor, materials, facilities, and capital. Only by this process can you be assured that profit will flow from your efforts as the result of a plan, and not just by happenstance.



Every Building Needs *Aircoustat*™ Sound Traps



AIRCOUSTAT silences all noise of all frequencies traveling through ductwork

Eliminate disturbance, distraction and irritation caused by noises escaping from one area to another through ductwork.

Install AIRCOUSTAT Sound Traps. AIRCOUSTAT eliminates guesswork, wasted space and unnecessary expense of duct lining. You can guarantee your client trouble-free performance. You can estimate with complete confidence the performance of particular applications. If AIRCOUSTAT fits geometrically, it fits acoustically.

AIRCOUSTAT saves you space. Its greater effectiveness permits smaller-sized ducting. It eliminates bulky mufflers.

For more details, write to KOPPERS COMPANY, INC., Industrial Sound Control Dept., 7703 Scott Street, Baltimore 3, Md.

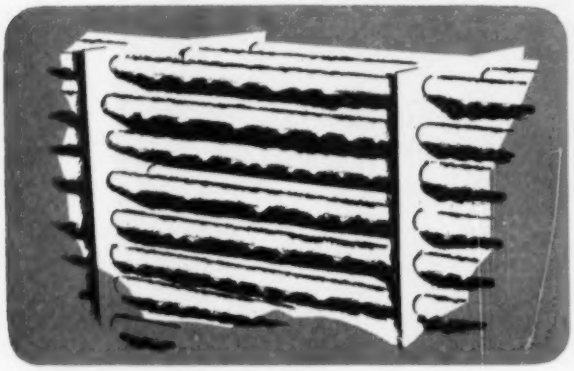
KOPPERS

INDUSTRIAL SOUND CONTROL

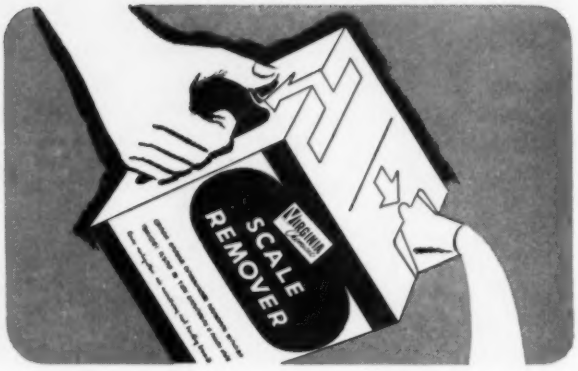
Engineered Products Sold with ***Service***

Circle No. 57 on Reader Service Card

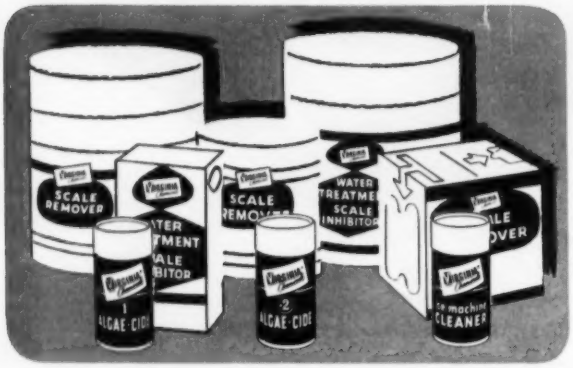
NOW in a shatterproof throwaway container...easy-storing, easy-pouring... "VIRGINIA" LIQUID SCALE REMOVER



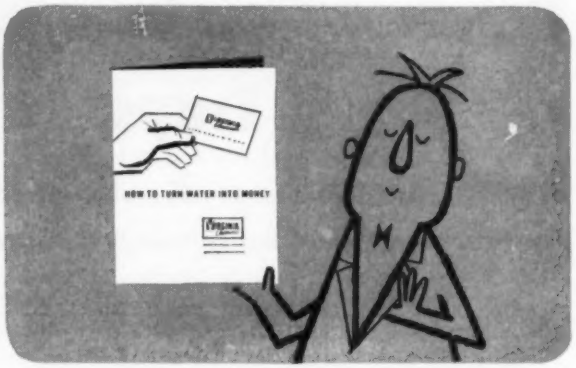
Units choked with thick scale? You need "Virginia" Liquid Scale Remover. Goes to work instantly, cleans rapidly with dissolving capacity 50% greater than similar cleaners. Effectively inhibited to prevent damage to metals.



Light container is much easier to handle than heavy gallon jugs. Prevents breakage, splash and drip. Tough plastic liner and spout make pouring easy. To close, just fold spout, attach clip, and it's safely resealed, ready to store.



For reliable, efficient water treatment, use "Virginia" chemicals—Water Treatment Scale and Corrosion Inhibitor, Solid and Liquid Scale Removers, Algae-Cides #1 and #2, and Ice Machine Cleaner. Get them all from your nearest wholesaler.



A new moneymaker for service companies is the "Virginia" Water Treatment Plan. For details, get *free* folder, "How to Turn Water into Money." Write Refrigeration Division, VIRGINIA SMELTING CO., 289 Jefferson St., W. Norfolk, Va.

ESOTOO • V-METH-L • CAN-O-GAS • VASCO-CEL • PERMAGUM • PRESSTITE TAPE • KWIKWRAP • SUNISO REFRIGERATION OILS • WATER TREATMENT CHEMICALS • SALES AGENT & REPACKER FOR "FREON" REFRIGERANTS

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Circle No. 58 on Reader Service Card

by Arthur H. Farr

Use Building Structure To Cut Air-conditioning Costs

PRICE IS AN IMPORTANT FACTOR in almost every air-conditioning job. All other things being equal, the contractor who can provide the most cooling for the least money has the best chance of making the sale.

All too often the air-conditioning engineer overlooks the possibility of using the building structure as a functional part of the air-conditioning system. In so doing he fails to take advantage of a saving in cost that might mean the difference between getting the contract and just being the second bidder.

There are many ways of doing this. They will vary with the individual characteristics of the building being air-conditioned and with the ingenuity of the installing contractor.

Here are some practical suggestions, however, that may help you hold down costs on a wide variety of applications:

Use of Plaster or Masonry Ducts

Often you can design an air-conditioning system in such a way that you can use plaster or masonry ducts in place of sheetmetal ducts.

Many commercial buildings today are of one-story-and-basement constructon, with the air-conditioning equipment room in the basement. One way you can handle a building of this type is to run the supply duct to the first floor ceiling and then branch off into insulated feeder ducts supplying each separate space.

Here's a less expensive — but very satisfactory — alternate design you can use. Construct an extended plenum of lath and plaster around the periphery of the basement ceiling. Then insert 3¼ x 14″ metal collars in the floor slab to connect this plaster duct to perimeter air diffusers installed at the baseboard on the outside wall of each conditioned room.

This design also lends itself to a more economical return air system. Blanketing the outside walls of the space with supply air often makes a common center hall return to the unit practical.

You should follow good insulating practices just as carefully with plaster or masonry ducts as with metal ducts. Lath and plaster have some insulating value, but not enough for every application. For instance, if a plaster duct is to be run any considerable distance with a cold outside wall forming one side of it, a layer of insulation should be applied to this outside wall to prevent excessive heat loss or heat gain to the duct itself.

Where masonry ducts are used, it is better to regulate space temperature with a room thermostat rather than with a return air duct controller having the sensing bulb located in the duct. The storage effect of the mass of masonry can prevent proper control of space temperature.

Suspended Ceiling as a Return Air Plenum

In many applications you can use a suspended ceiling in place of a complex system of supply ducts. The most commonly used types of ceiling supply systems are the perforated ceiling plenum, the luminous plastic ceiling plenum, and the plastered ceiling with separate outlets.

The perforated plenum is often used in vestibules where a high ratio of supply air cfm to floor area is required to offset infiltration through entrance doors. A packaged air conditioner can be recessed into a sidewall of the vestibule, drawing return air from the entrance area and discharging through a steam or hot water coil into the suspended perforated ceiling plenum.

You can erect ceilings of this type with either standard accoustical tile boards or perforated metal pan-type ceiling panels. In designing such a system be careful to measure the area of the holes in one tile or one panel to determine the free area for air passage, and the velocity the supply air will have in passing through the ceiling.

The luminous plastic ceiling plenum has enjoyed increasing popularity in banks and commercial buildings where fairly high light intensity is required. Fluorescent fixtures are installed above the ceiling. The ceiling thus serves to conceal the fixtures and to diffuse the light softly and evenly.

The plastic sheets are held in place by suspended T-bars. This arrangement provides ample opportunity for the supply air to diffuse into the area below the ceiling. In addition to allowing air circulation, the plastic ceiling acts as a radiant surface for heating or cooling over the entire conditioned area.

Don't use this type of ceiling in a closed vestibule or entranceway, because the updraft from wind infiltration through opening and closing doors can lift the plastic up off the T-bar supports.

You can use a suspended lath and plaster ceiling in place of a branch duct system by closing off the

Continued on page 157

Simplify Air Conditioning Control Panels with

RANCO "G" CONTROLS

Compact, Ranco "G" Controls were developed for air conditioning control panel designs to take less space, are easy to install and are readily adaptable to your specific product.

Ranco "G" Controls include both high and low pressure models with automatic or manual reset; low pressure cycling controls with (for factory use only) or without differential adjustment; and dual pressure controls by pairing combinations of single controls. Three different switch assemblies provide ratings from pilot duty, intermediate to high ampere switching capacity in single pole, single or double throw action.

For further details call or write to Ranco Inc., 601 West Fifth Ave., Columbus 1, Ohio.

Ranco®
INCORPORATED
COLUMBUS 1, OHIO

World's Largest Manufacturer of Refrigeration Controls

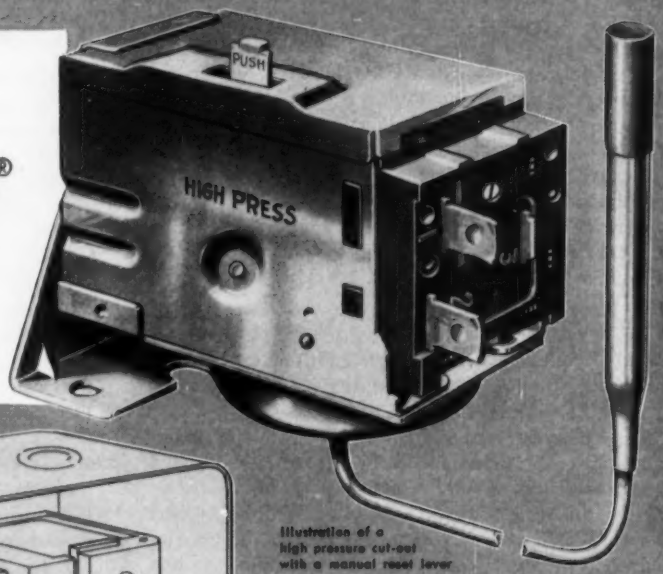
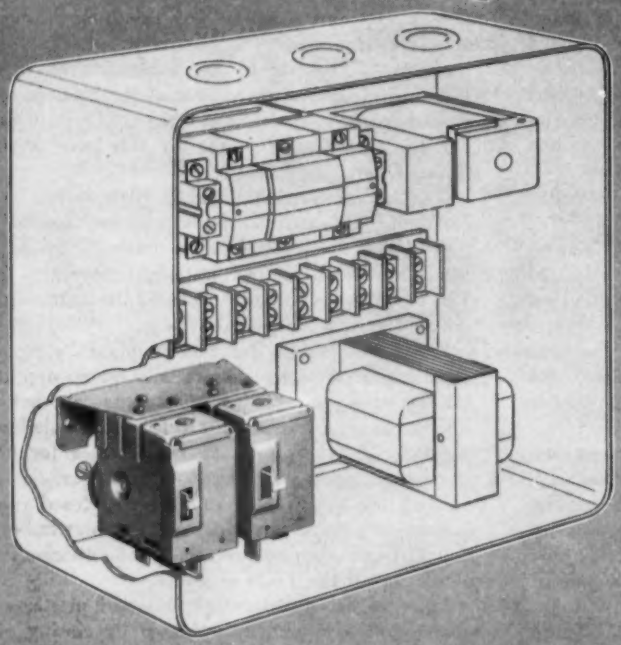


Illustration of a high pressure cut-out with a manual reset lever



- Automatic or manual reset.
- Switch assemblies for electrical ratings from pilot duty through 18 amperes, full load.
- 7 to 425 psi selective ranges, non-adjustable in the field.
- Screw or quick-connect terminals.

Panel installation of dual pressure with high and low pressure Ranco "G" Controls mounted on a common, single bracket and connected electrically by a jumper. Also, each can be individually mounted on separate brackets, according to panel space.

Circle No. 59 on Reader Service Card

Here's How

PROFITABLE SERVICE AND INSTALLATION PRACTICES

No Thermal Short Circuits on this Insulation Job

THE IDEAL WAY to build a low temperature room is to completely envelop the space with an unbroken layer of insulation.

This is generally hard to do because of structural demands. But in completing the addition to its Ocala, Fla., plant, the food processing firm of Libby, McNeill & Libby succeeded in overcoming these difficulties.

Basically, the insulating problem in construction of this type is to avoid "thermal short circuits" through the columns supporting the roof, or around the conventional beams where they join the sidewalls. In the Libby plant this ways accomplished by using a cellular glass insulation.

This made it possible for the erectors of the room to lay the floor, cover it with insulation, and then actually support the columns on concrete pads bearing directly on the insulation.

The roof structure was supported by the columns. The cellular glass insulation was laid on the roof decking. Sidewalls were erected and insulated. Sidewall insulation was tied into the floor insulation, and extended up the wall and through a space left between the walls and the roof decking. This made it possible to link the sidewall insulation directly to the roof insulation.

Concrete then was poured over the floor insulation, and a built-up roof was laid over the roof insulation. Walls were simply painted with aluminum paint. The result was an unbroken envelope of insulation around the refrigerated area.

Walls of the room were backplastered and primed with an asphaltic cutback. Two layers of 4"-thick "Foamglas" were then applied with hot asphalt.

Roof decking was formed of corrugated transite sheets with "zonolite" concrete used to fill the corrugations and make a flat surface on which to lay the insulation. This deck was mopped with hot asphalt before the two layers of 4" Foamglas were applied.

A minimum 9" clearance was left between the walls and roof decking to allow the wall insula-

Continued on page 154

FROM ROOF TO FLOOR this low temperature storage room is surrounded by an unbroken envelope of insulation. Roof deck is supported by interior columns that rest on floor insulation. Sidewall insulation extends up through gap left around perimeter of roof deck and is joined to roof insulation laid on top of deck.

Sales help when needed is just one reason I suggest American Blower Packaged Air Conditioners

There's a factory training school

You are offered a full training course by American Blower's skilled engineers and seasoned sales experts. You learn the products inside out, including installation and service. You learn how to sell them and who to sell them to.

There are leads on new jobs

Your distributor gets sales leads from American Blower branch offices. These leads are directed to you and can result in profitable new jobs. Remember: you can sell every business with the complete line American Blower offers.

There's help with complex surveys

At your service, at each of the 73 branch offices located throughout the country, are American Blower's trained sales engineers. These men are ready to assist you on unit selection in any large or complex air-conditioning survey.

There's advertising and promotions

Powerful ads in leading national magazines, and hard-hitting sales promotion, build the American Blower brand name, and help presell your customers for you. American-Standard,* American Blower Division, Detroit 32, Mich.

It pays to install American Blower Packaged Air Conditioners

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Commercial Refrigeration & Air Conditioning *Magazine*

AIR CONDITIONING SPECIFICATIONS 1958

INDEX OF MANUFACTURERS

WATER COOLED PACKAGED AIR CONDITIONERS

WATER COOLED CONDENSING UNITS

AIR COOLED PACKAGED AIR CONDITIONERS

AIR COOLED CONDENSING UNITS

FURNACE-COOLING COMBINATIONS

Continued on page 124

TABLE OF ABBREVIATIONS USED IN SPECIFICATIONS LISTINGS

COMPRESSOR

Type — H ..... Hermetic
SH ..... Semi-hermetic
O ..... Open

Make — T ..... Tecumseh
C ..... Copeland
B ..... Brunner
BW ..... Bendix-Westinghouse
O ..... Own make

AIR FILTER

Type — T ..... Throwaway
C ..... Cleanable

CONDENSER TYPE

A ..... Air cooled
W ..... Water cooled
R ..... Remote
(example: AR ..... Air cooled, remote)

HEATING TYPE

R ..... Reverse cycle heater
E ..... Electrical strip heater

EVAPORATOR COIL & BLOWER FLUSH MOUNT APPLICATION OF UNIT

Wherever a column is checked it indicates that model is available for that type application.

WATER COOLED PACKAGED AIR CONDITIONERS

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) Including Plenum W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Blower No.	Blower CFM	Blower RPM	Blower Motor No.	Blower Motor HP	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Refrig. (lb.)	Air Filter No.	Air Filter Type	Air Filter Size (In.)	Net Wt. (lb.)
Curtis Mfg. Co., 1905 Kienlen Ave., St. Louis, Mo. — "Curtis"																							
CA-400A	38,040	25	81¾	27½	H	1750	T	3	3—1	220/230	1	1200	840	1	¼	2.4	4	22	7	1	T	20x20	524
CA-600A	63,400	38	84½	25½	H	1750	T	5	3—1	220/230	1	2000	690	1	½	4.0	4	22	10	2	T	16x20	694
																				1		20x25	
CA-800A	95,100	42	93¾	27½	SH	1750	C	7½	3—2	220/440/220	2	3000	870	1	¾	6.0	4	22	13	1	T	16x25	1032
CA-1200A	126,800	54	98¾	27½	SH	1750	C	10	3—2	220/440/220	2	4000	725	1	1	8.0	4	22	15	3	T	16x25	1292
																				1		16x25	
CA-1600A	190,200	78	98¾	28½	SH	1750	C	(2)7½	3—2	220/440/220	3	6000	780	1	1½	12.0	4	22	26	3	T	20x25	2011
																				3		20x25	
CA-2200A	253,600	78	107¾	33½	SH	1750	C	(2)10	3—2	220/440/220	3	8000	642	1	2	16.0	4	22	30	3	T	16x25	2300
CPU-2500-30	310,000	104	109½	36	O	528	O	25	3—2	220/440/220	2	8750	585	1	2	16.5	4	12	70	8	C	16x25	4300
CPU-3000-30	365,000	104	109½	36	O	648	O	30	3—2	220/440/220	2	10,000	595	1	3	20.9	4	12	75	8	C	16x25	4560
CPU-4000-43	484,000	126	99	55½	O	850	O	40	3—2	220/440/220	3	14,800	650	1	5	29.6	4	12	85	10	C	20x25	5740
CPU-5000-50	645,000	126	99	55½	O	740	O	50	3—2	220/440/220	3	17,780	620	1	7½	35.6	4	22	90	10	C	20x25	6780
Trane Co., Second & Cameron Ave., LaCrosse, Wis. — "Self-Contained Air Conditioner"																							
35SC	.....	40¼	83	22⅛	H	1750	C	3	3—1	220/440	2	1400	966	1	¼	4.38	2	22	4	2	T	16x20x1	700
55SC	.....	40¼	83	22⅛	H	1750	O-B-T	5	3—1	220/440	2	2000	1173	1	½	5.10	2	22	6	2	T	20x20x1	800
75SC	.....	48¼	89¼	24⅛	H	1750	O	7½	3	220/440	2	3000	978	1	¾	7.50	2	22	8¼	3	T	16x25x1	1000
105SC	.....	62¼	95½	29½	H	1750	O-T	10	3	220/440	2	4000	1016	1	1½	10.00	2	22	12	6	T	16x20x1	1600
																						(2)20x25x1	
155SC	.....	70¼	104⅜	29½	H	1750	O	10	3	220/440	2	6000	1016	1	2	15.00	2	22	16.5	6	T	(4)20x20x1	220
102SCE	.....	109¼	61½	35¼	O	1750	O	10	3	220/440	2	4000	875	1	1½	6.67	5	12	45	3	C	16x20x2	2750
152SCE	.....	117¼	68	37¾	O	1750	O	15	3	220/440	2	6000	1016	1	2	10.00	5	12	85	3	C	20x20x2	3475
202SCW	.....	71¼	71½	40¼	O	1750	O	20	3	220/440	2	8000	870	1	3	13.3	5	12	60	6	C	16x20x2	3200
202SCE	.....	121¼	71½	40¼	O	1750	O	20	3	220/440	2	8000	870	1	3	13.3	5	12	96	6	C	16x20x2	4000
Bryant Mfg. Co., 2020 Montcalm St., Indianapolis, Ind. — "Bryant"																							
2-590	24,000	25	63	28	SH	1725	O	2	1—3	230	1	800	500	1	¼	1.76	4	12	5½	1	T	14x25x1	500
3-590	36,000	27	63	28	SH	1725	O	3	1—3	230	1	1200	550	1	½	2.62	4	22	6½	1	T	20x25x1	665
5-590	60,000	33	68	28	SH	1725	O	5	1—3	230	1	2000	550	1	½	4.37	4	22	9	2	T	16x25x1	723
Frick Co., Waynesboro, Pa. — "Frick"																							
300	39,000	38	81	24⅜	SH	1750	....	3	3	220	1	1300	775	1	½	3.3	4	12	8	1	C	15x29	915
520	62,000	42	84⅛	27⅜	H	1750	....	5	3	220	1	2000	732	1	½	5.06	4	22	8	1	C	22x32½	1080
750	92,350	55	86⅜	27⅛	SH	1750	....	7½	3	220	1	3000	822	1	¾	7.18	4	22	11	2	C	22x22¾	1400
1000	124,000	74	86⅞	27⅛	H	1750	....	(2) 5	3	220	2	4000	732	1	1	9.8	4	22	16	2	C	22x30¾	2000
1500	184,700	85	94⅞	27⅛	SH	1750	....	(2) 7½	3	220	2	6000	822	1	1½	14.5	4	22	22	3	C	28¼x24½	2650
Lennox Industries, Inc., Marshalltown, Iowa — "Lennox"																							
CB11-301*	36,000	22¾	61¼	27⅞	H	1725	T	3	1	230	1	1200	592-787	1	⅓	2.94	3	22	3	**	..	.....	549
CB11-501*	60,000	28	65¼	27⅞	H	1725	T	5	1	230	1	2000	685-910	1	½	4.4	4	22	7	**	..	.....	745

*Also available in 3 phase. **Uses furnace filter.

Alton Mfg. Co., 1112 Ross Ave., Dallas, Tex. — "Alton Refrigerated Air Conditioner"																							
RE-10	125,100	96	66	36	O	830	B	10	3	220	2	3600	860	1	1½	6.0	6	12	40	**	....	.....	3900
RE-15	184,810	120	74	48	O	1750	*	15	3	220	2	5400	670	1	2	10.0	6	12	80	**	....	.....	4950
RE-20	255,000	128	80	48	O	1100	*	20	3	220	2	7200	586	1	2	12.5	6	12	100	**	....	.....	5500
RE-25	316,600	128	80	48	O	1400	*	25	3	220	2	9000	640	1	3	15.0	6	12	120	**	....	.....	6050
RE-30	360,000	149	80	48	O	800	*	30	3	220	2	10,800	710	1	5	18.0	6	12	140	**	....	.....	6500

*Schnacke **Optional

General Electric Co., Home Heating & Cooling Dept., Tyler, Texas — "General Electric"																							
FE20J	24,000	21	55	30⅛	H	1725	T	2	1	230	1	800*	.....	1	¼	2.09	4	22	2.5	**	....	.....	300
FE25J	30,000	21	55	30⅛	H	1725	T	2½	1	230	1	1000*	.....	1	¼	2.49	4	22	3.5	**	....	.....	305
FE30J	36,000	21	55	30⅛	H	1725	T	3	1	230	1	1200*	.....	1	¼	2.97	4	22	4.0	**	....	.....	350
FE50J	60,000	25	55	30⅛	H	1725	T	5	1	230	1	2000*	880	1	½	4.91	4	22	6.0	**	....	.....	495

*Optional on FE20, 25 & 30J. **Optional

WATER COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) Including Plenum W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Blower No.	Blower CFM	Blower RPM	Blower Motor No.	Blower Motor HP	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Refrig. (lb.)	Air Filter No.	Air Filter Type	Air Filter Size (In.)	Net Wt. (lb.)
Therm-Air Mfg. Co., 1000 N. Division St., Peekskill, N. Y. — "Weathertrol"																							
COM2		31	76	20																		20x25x1	500
LB2	24,600	23	47	31	H	1750	T	2	1—3	208/220/230	1	800	.....	1	¼	2.75	4	22	.....	1	T	20x20x1	450
COM3		31	76	20																1	T	20x25x1	500
LB3	36,800	33	47	31	H	1750	T	3	1—3	208/220/230	1	1200	.....	1	½	2.75	4					20x20x1	825
COM5		38½	76	28½														22	.....	2	T	16x25x1	900
LB5	60,800	38½	61	25	H	1750	T	5	1—3	208/220/230	1	2000	.....	1	½	4.13	4						
COM7½		38½	76	28½																			1100
LB7½	94,400	38½	61	25	SH	1750	C	7½	3	208/220/440	1	3000	.....	1	¾	5.5	4	22	.....	2	T	15x30⅝x1	1200
LB10-1	120,400	38½	84½	25	SH	1750	C	10	3	208/220/440	1	4000	.....	1						4			1250
LB10-2	121,800	62	84½	30	H	.....	T	....	3	208/220/440	2	4000	.....	2	1	8.26	4	22	.....	6	T	16x20x1	1600
LB15	188,800	62	84½	30	SH	1750	C	(2) 7½	3	208/220/440	2	6000	.....	2	1½	11.0	4	22	.....	6	T	16x20x1	1800
LB20	242,000	72	84½	30	SH	1750	C	(2)10	3	208/220/440	2	8000	.....	2	2	15.4	4	22	.....	6	T	16x20x1	2700
LB25	300,200	96	84½	30	SH	1750	C	(3) 7½	3	208/220/440	2	10,000	.....	2	3	19.25	4	22	.....	8	T	16x20x1	3600
LB30	361,200	96	84½	30	SH	1750	C	(3)10	3	208/220/440	2	12,000	.....	2	5	23.3	4	22	.....	8	T	16x20x1	4200
Crane Co., 836 S. Michigan Ave., Chicago, Ill.																							
U-AC1-30	36,000	35¼	78	25½	SH	.....	C	3	1—3	230/208/220	1	1200	680	1	½	2.7	4	12	11	1	C	14¾x25¾x1	841
U-AC1-50	61,000	44¾	83⅞	26¾	SH	.....	C	5	1—3	230/208/220	1	2000	680	1	½	4.4	4	12	13	1	C	18½x34¾x1	1031
U-AC1-75	93,000	51	93	30¼	SH	.....	C	7½	3	208/220	2	3000	720	2	½	6.7	4	12	16	2	C	19⅞x25½x1	1279
U-AC1-100	121,000	57	89½	30¼	SH	.....	C	(2) 5	3	208/220	2	4000	680	2	½	9.0	4	12	26	2	C	29¼x22½x1	1705
																				1		14¾x29¼x1	
U-AC1-150	182,000	70	92½	31¼	SH	.....	C	(2) 7½	3	208/220	2	6000	760	2	¾	13.5	5	12	32	2	C	29¼x29¼x1	3250
H-311-W	37,400	30	58¾	19½	SH	1750	*	3	1—3	230/208/220	1	1200/0.25"	.....	1	½	3.47	2	22	3	1	T	25x25x1	539
H-511-W	60,000	36½	65	38	SH	1750	*	5	1—3	230/208/220	1	2000/0.25"	.....	1	½	3.98	3	12	11	2	T	16x25x1	780
*Westinghouse																							
Airtemp Div., Chrysler Corp., 1600 Webster St., Dayton, Ohio — "Airtemp"																							
1003-4†	36,800	35	83¾	19¾	H	1750	O	3	1	230	1	1220	900	1	½	3.21	3	22	9**	1	T	15x30⅝x1	560
1005-2†	64,200	48⅞	90⅝	19¾	SH	1750	O	5	1	230	2	2060	720	1	½	5.3	3	12	12**	2	T	22x22x1	981
1008-2†	90,000	48⅞	93⅝	19¾	SH	1750	O	7½	2	220	2	3000	1030	1	1	5.2	3	22	12**	2	T	22x22x1	1061
1011†	132,000	58	97	28	SH	3500	O	10	2	220	2	4060	785	1	1½	7.46	3	22	19½**	6	C	16⅛x18x1	1385
																				2	C	16x24x1	
1015†	180,000	58	105	32	SH	3500	O	15	2	220	2	5950	610	1	2	12.08	3	22	30**	6	C	16⅛x18x1	1676
2540	41.3	126	99½	54	SH	1750	O	40	2—3	220	3	16,000	672	1	5	28	4	22	120	12	*	16x25x2	7200
2640	41.3	194	99½	54	SH	1750	O	40	3	208/220/440	3	16,000	672	1	5	28	4	22	140	12	*	16x25x2	9000
2545	45	126	98	54	SH	3500	O	(3)15	3	208/220/440	3	16,000	672	1	5	28	4	22	90	12	*	16x25x2	7100
2645	45	194	98	54	SH	3500	O	(3)15	2	208/220/440	3	16,000	672	1	5	28	4	22	110	12	*	16x25x2	9000
2560	61.8	150	113½	58	SH	1750	O	60	3	208/220/440	3	24,000	501	1	7½	42.5	4	22	180	24	*	16x20x2	9070
2660	61.8	130	113½	58	SH	1750	O	60	3	208/220/440	3	24,000	501	1	7½	42.5	4	22	210	24	*	16x20x2	12,000
2575	70.4	180	115	70	SH	1750	O	75	2—3	220/208/440	4	30,000	446	1	10	52	4	22	225	24	*	16x20x2	14,900
2675	70.4	306	115	70	SH	1750	O	75	2—3	220/208/440	4	30,000	446	1	10	52	4	22	26	24	*	16x20x2	19,480
2500	100.1	186	113½	84	SH	1750	O	100	2—3	208/220/440	4	40,000	.....	1	15	69.3	4	22	300	24	*	20x25x2	18,000
																						(6)16x20x2	
2520	286,000	96	104	34	SH	3500	O	(2)10	2—3	208/220/440/550	2	8750	480	1	2	17.5	4	22	40	8	*	(2)16x25x2	3100
								(1)10														(6)16x20x2	
2525	321,000	96	104	34	SH	3500	O	(1)15	2—3	208/220/440/550	2	10,000	520	1	3	17.5	4	22	50	8	*	(7)16x25x2	3130
																						(6)16x20x2	
2530	354,000	96	104	34	SH	3500	O	(2)15	2—3	208/220/440/550	2	12,000	590	1	5	17.5	4	22	60	8	*	(2)16x25x2	3170
†Also available in 2 or 3 phase. *High Velocity. **Unit shipped with holding charge.																							
Mitchell Mfg. Co., Div. of Cory Corp., 3200 W. Peterson Ave., Chicago, Ill. — "Mitchell"																							
S-200-1*	27,600	31¼	78½	24	H	1725	T	2	1	230	1	800	730	1	¼	3.06	3	22	3.2	1	T	22¼x20x1	465
S-300-1*	38,400	31¼	78½	24	H	1725	T	3	1	230	1	1200	810	1	½	3.06	4	22	5.0	1	T	22¼x20x1	491
S-500-1*	63,000	41	86¼	26¼	H	1725	T	5	1	230	2	1850	780	1	½	4.45	3	22	6.6	2	T	20x16x1	743
*Available in 3 phase.																							
Stewart-Warner Corp., Heating & Air Conditioning Div., Lebanon, Ind.																							
SC-W-A-5	65,000	36	77¾	22	H	1725	T	5	1—3	230/208/220	2	1850	.....	2	¼	4.28	4	22	5⅜	2	T	15x30⅝x1	730
Janitrol Heating & Air Conditioning Div., Surface Combustion Corp., 400 Dublin Ave., Columbus, Ohio																							
SAC36-45	36,900	26½	60¼	26	H	1725	T	3	1	230	1	1200	875	1	½	2.53	4	22	2.9	2	T	16x25x1	490
																			2.7				
SAC60-45	63,700	40½	60¼	26	H	1725	T	2 & 3	1—3	230/208/220	1	2000	900	1	¾	4.15	4	22	2.9	2	T	20x25x1	765
SVW60S-55	68,300	40½	60¼	26	H	1725	T	5	3	208/220	1	2000	900	1	¾	4.15	4	22	4.5	2	T	20x25x1	700

WATER COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) Including Plenum W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Blower No.	Blower CFM	Blower RPM	Blower Motor No.	Blower Motor HP	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Refrig. (lb.)	Air Filter No.	Air Filter Type	Air Filter Size (In.)	Net Wt. (lb.)
Mayflower Air-Conditioners, Inc., Duluth Ave. & E. Seventh St., St. Paul, Minn. — "Living-Air"																							
WAC-2	24,000	27	61½	28	H	.....	T	2	1	230	1	800	.....	1	¼	2	4	22	....	1	T	20x25x1	440
WAC-3	36,000	27	61½	28	H	.....	T	3	1	230	1	1200	.....	1	½	2	4	22	....	1	T	20x25x1	470
WAC-5	60,000	37	61½	32	H	.....	T	6	1	230	1	2000	.....	1	½	3.5	4	22	....	2	T	16x25x1	650
American Furnace Co., 1300 Hampton Ave., St. Louis, Mo. — "AFCO Comfortmaker"																							
BSH-2T	24,000	41½	40¼	27	H	1750	T	2	1—3	230/220	1	850	6-800	1	½	2.5	3	22	2 13/16	2	C	16x25	.....
BSH-3T	36,000	41½	40¼	27	H	1750	T	3	1—3	230/220	1	1200	6-800	1	½	3.15	4	22	3¼	2	C	16x25	.....
BSH5T-2	60,000	46	40½	42	H	1750	T	5	1—3	230/220	2	2000	6-800	1	¾	4.1	4	22	4 7/16	4	C	16x20	.....
BVC-2T	24,000	28¼	73	24¾	H	1750	T	2	1—3	230/220	1	800	6-800	1	½	2.5	3	22	2 13/16	1	C	20x25	.....
BVC-3T	36,000	28¼	73	24¾	H	1750	T	3	1—3	230/220	1	1200	6-800	1	½	3.15	4	22	3¼	1	C	20x25	.....
BVC5T-2	60,000	42¾	73	29⅛	H	1750	T	5	1—3	230/220	2	2000	6-800	1	½	4.1	4	22	4 7/16	2	C	20x20	.....
American Blower Div. of American-Standard, 8111 Tireman Ave., Detroit, Mich. — "American Blower"																							
3C7	36,000	42	85¾	24	SH	1750	*	3	1—3	230/208/220/440	1	1200	677	1	½	3.62	3	22	9	2	C	17½x17½x1	740
5C7	60,000	42	85¾	24	SH	1750	*	5	1—3	230/208/220/440	1	2000	787	1	¾	4.93	3	22	11	2	C	22x17½x1	820
8C7	90,000	50	87¾	30	SH	1750	*	7½	3	208/220/440	1	3000	623	1	1	7.30	3	22	15	2	C	27½x21½x1	1067
10C7	120,000	66	87¾	30	SH	1750	*	10	3	208/220/440	2	4000	662	1	2	10.08	3	22	24	2	C	27½x29½x1	1390
10D7	120,000	66	87¾	30	SH	1750	*	(2) 5	3	208/220/440	2	4000	662	1	2	10.08	3	22	22**	2	C	27½x29½x1	1475
15D7	180,000	84	96	31¼	SH	1750	*	(2) 7½	3	208/220/440	2	6000	574	1	3	14.68	3	22	30**	3	C	30x25¼x1	1860
20D7	240,000	108	96	31¼	SH	1750	*	(2)10	3	208/220/440	3	8000	594	1	5	19.33	3	22	48**	4	C	30x25¼x1	2450
*Carrier **Half in each circuit.																							
Armstrong Furnace Co., Div. of National Union Electric Corp., 851 W. Third Ave., Columbus, Ohio — "Armstrong"																							
CUC	36,000	37	77	21½	H	1750	C	3	3—1	208/220/280/440	1	1200	780*	1	½	2.8	5	12	5	1	C	13½x30½	802
CUD	60,000	45½	85¾	25	H	1750	C	5	3—1	208/220/280/440	1	2000	640*	1	½	4.5	5	12	5	1	C	17½x38	1050
CUE	90,000	55½	87¾	29¼	H	1750	C	7½	3	208/220/440	1	3000	510*	1	¾	6.4	4	12	4	2	C	20½x23	1420
CUF	120,000	72	87¾	29¼	H	1750	C	(2) 5	3	208/220/440	2	4000	640*	1	1	8.5	4	12	4	3	C	20½x20	2125
CUG	180,000	86	99¾	29¼	H	1750	C	(2) 7½	3	208/220/440	2	6000	590*	1	1½	13.5	4	12	4	3	C	26½x24¾	2642
*Variable																							
Henry Furnace Co., Medina, Ohio — "Moncrief"																							
H-312-W*	41,600	30	58¾	19½	H	1725	T	3	1	230	1	1200/0.25"	800	1	½	3.3	3	22	3	1	T	25x25x1	529
H-511-W*	60,000	36½	65	26	SH	1750	**	5	1	230	1	2000/0.25"	800	1	½	4.0	3	12	11	2	T	16x25x1	780
*Also available in 3 phase. **Westinghouse																							
C. A. Olsen Mfg. Co., Elyria, Ohio — "Luxaire"																							
H-312-W*	41,600	30	58¾	19½	H	1725	T	3	1	230	1	1200/0.25"	800	1	½	3.3	3	22	3	1	T	25x25x1	529
H-511-W*	60,000	36½	65	26	SH	1750	**	5	1	230	1	2000/0.25"	800	1	½	4.0	3	12	11	2	T	16x25x1	780
*Also available in 3 phase. **Westinghouse																							
Bal-Air, Inc., 1210 McGavock St., Nashville, Tenn. — "Bal-Air"																							
AC-2	24,000	36	72	28½	SH	1750	C	2	1—3	230/220	1	800	780	1	¼	2.25	3	12	8	1	C	18x18x1	860
AC-3	36,000	38	77	31¼	SH	1750	C	3	1—3	230/220	1	1200	795	1	½	2.5	4	12	12	1	C	15x25x1	1180
AC-5	60,000	46	90	31¼	SH	1750	C	5	1—3	230/220	1	2000	786	1	½	4.12	4	12	15	1	C	18x33x1	1450
AC-7½	90,000	60	94	33¼	SH	1750	C	7½	3	208/220	2	3000	760	1	¾	5.0	5	12	22	2	C	15x25x2	2460
AC-10	120,000	60	94	33¼	SH	1750	C	10	3	208/220	2	4000	786	2	½	7.0	5	22	28	2	C	20x25x2	3000
Century Engineering Corp., 401 Third St., S. E., Cedar Rapids, Iowa — "Century"																							
AW-2	24,000	26	51	26	H	1725	T	2	1—3	230	1	800	.....	1	¼	.....	..	22	6	1	T	*	400
AW-3	36,000	26	51	26	H	1725	T	3	1—3	230	1	1200	.....	1	½	.....	..	22	6	1	T	*	440
*Optional																							
National - U.S. Radiator Corp., 944 Ash St., P. O. Box 1047, Johnstown, Pa. — "Capitolaire"																							
CUC-261*	36,000	38	77	21¼	SH	1725	C	3	1	230	1	1200	Var.	1	½	2.8	5	22	12	1	C	13½x30x1	802
CUD-261*	60,000	45½	85¾	25	SH	1725	C	5	1	230	1	2000	Var.	1	½	4.5	5	22	15	1	C	17½x38x1	1050
CUE-263	84,000	55½	87¾	29¼	SH	1725	C	7½	3	220	2	3000	Var.	1	¾	6.4	4	22	19	2	C	20½x23x1	1420
CUF-263	120,000	72	87¾	29¼	SH	1725	C	(2) 5	3	220	2	4000	Var.	1	1	8.5	4	22	30	3	C	20½x20x1	2125
CUG-263	180,000	86	99¾	29¼	SH	1725	C	(2) 7½	3	220	2	6000	Var.	1	1½	13.5	4	22	30	3	C	26½x24¾x1	2642
PKB	24,000	28	58	19½	H	1725	T	2	1—3	220/230	1	800	Var.	1	⅙	1.83	3	22	2	1	C	13x21⅞x1	600
PKC	36,000	30	69	22	H	1725	T	3	1—3	220/230	1	1200	Var.	1	⅓	3.00	3	22	3	1	C	19x23⅞x1	740
PKD	60,000	40	72	24	SH	1725	**	5	1—3	220/230	1	2000	Var.	1	½	4.95	3	12	3	2	C	22x16⅛x1	895
*Also available in 3 phase. **Westinghouse																							

WATER COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) Including Plenum W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Blower No.	CFM	RPM	Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Air Filter No.	Type	Size (In.)	Net Wt. (lb.)
Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton, Ohio — "Frigidaire"																							
ASW-300-21*	36,500	40	81	22⅛	SH	1725	O	.....	1	230	1	1260	815	1	⅓	2.85	4	12	9½	1	..	29¾x15½x1	735
ASW-500-21*	60,100	40	88⅛	28	SH	1725	O	.....	1	230	1	2000	845	1	½	4.2	4	12	8	1	..	29¾x22¼x1	880
ASW-750-23*	92,000	40	88⅛	28	SH	1725	O	.....	3	208/220	2	2700	1040	1	¾	5.95	5	12	16	1	..	29¾x29¾x1	1065
ASW-1000-23	120,500	67	93⅜	29½	SH**	1725	O	.....	3	208/220/440	2	4000	760	1	1½	9.4	4	12	9***	3	..	20x25x1	1630
ASW-1500-23	177,500	67	93⅜	29½	SH**	1725	O	.....	3	208/220/440	2	5300	700	1	2	12.1	4	12	16***	3	..	20x25x1	1845
*Also available in 2 or 3 phase. **2 Compressors ***Each system																							
Fedders-Quigan Corp., 5201 Flushing Ave., Maspeth, L. I., N. Y. — "Fedders"																							
836W-3	36,000	29	20⅜	36½	H	1725	T	3	1	230	1	1180	1100	1	⅓	2.0	4	22	.....	1	T	12x30⅛x1*	315
*Return air filter optional.																							
United States Air Conditioning Corp., 7900 Tabor Rd., Philadelphia, Pa. — "Refrigerated Kooler-Aire"																							
RK10BW	120,000	59½	61⅝**	42¾	O	735	B	10	3	220	2	4000	765	1	1½	6.75	6	12	30	..	..	.....	2250
DRK10BW	120,000	59½	51⅜**	48¾	SH	1750	C	(2) 5	3	220	2	4000	765	1	1½	6.75	6	12	30	..	..	.....	2400
RK15BW	180,000	70½	73⅝**	55½	O	890	B	15	3	220	2	6000	690	1	2	10.2	6	12	45	..	..	.....	3225
DRK15BW	180,000	70½	73⅜**	52¾	SH	1750	C	(2) 7½	3	220	2	6000	690	1	2	10.2	6	12	45	..	..	.....	3000
RK20BW	240,000	70½	73⅝**	55½	O	710	B	20	3	220	2	8000	725	1	3	13.3	6	12	60	..	..	.....	3300
DRK20BW	240,000	70½	73⅝**	55¾	O	735	B	(2)10	3	220	2	8000	725	1	3	13.3	6	12	60	..	..	.....	3600
RK25BW	300,000	78½	77⅛**	48¼	O	836	B	25	3	220	2	10,000	625	1	5	16.5	6	12	75	..	..	.....	3750
						735		(1)10															
DRK25BW	300,000	78½	77⅛**	67¼	O	890	B	(1)15	3	220	2	10,000	625	1	5	16.5	6	12	75	..	..	.....	4000
RK30BW	360,000	86¼	84⅛**	53¼	O	580	B	30	3	220	2	12,000	640	1	5	18.75	6	12	90	..	..	.....	4850
DRK30BW	360,000	86¼	84⅛**	67¼	O	890	B	(2)15	3	220	2	12,000	640	1	5	18.75	6	12	90	..	..	.....	5300
RK40BW	480,000	92¼	93⅛**	60¼	O	770	B	40	3	220	2	16,000	550	1	7½	25.0	6	12	120	..	..	.....	5800
DRK40BW	480,000	92¼	93⅛**	74¼	O	710	B	(2)20	3	220	2	16,000	550	1	7½	25.0	6	12	120	..	..	.....	6200
RK50BW	600,000	104¼	105⅛**	60¼	O	1070	B	50	3	220	2	20,000	465	1	10	31.75	6	12	150	..	..	.....	7000
DRK50BW	600,000	104¼	105⅛**	74¼	O	836	B	(2)25	3	220	2	20,000	465	1	10	31.75	6	12	150	..	..	.....	7400
RK60BW	720,000	134	104⅛**	78¾	O	650	B	60	3	220	2	24,000	475	1	15	40.05	6	12	180	..	..	.....	9000
DRK60BW	720,000	134	104⅛**	78¾	O	580	B	(2)30	3	220	2	24,000	475	1	15	40.05	6	12	180	..	..	.....	10,500
*RK-10	120,000	93¾	61⅜	37¾	O	735	B	10	3	220	2	4000	765	1	1½	6.75	6	12	43	..	..	.....	2970
*DRK-10	120,000	95¾	61⅜	37¾	SH	1750	C	(2) 5	3	220	2	4000	765	1	1½	6.75	6	12	42	..	..	.....	3200
*RK-15	180,000	114½	73⅜	41¾	O	890	B	15	3	220	2	6000	690	1	2	10.2	6	12	47	..	..	.....	4330
*DRK-15	180,000	114½	73⅜	41¾	SH	1750	C	(2) 7½	3	220	2	6000	690	1	2	10.2	6	12	47	..	..	.....	4300
*RK-20	240,000	114½	73⅜	41¾	O	710	B	20	3	220	2	8000	725	1	3	13.3	6	12	68	..	..	.....	4960
*DRK-20	240,000	114½	73⅜	41¾	O	735	B	(2)10	3	220	2	8000	725	1	3	13.3	6	12	68	..	..	.....	5100
*RK-25	300,000	125½	77⅛	48¼	O	836	B	25	3	220	2	10,000	625	1	5	16.5	6	12	80	..	..	.....	5150
						735		(1)10															
*DRK-25	300,000	125½	77⅛	48¼	O	890	B	(1)15	3	220	2	10,000	625	1	5	16.5	6	12	80	..	..	.....	5650
*RK-30	360,000	137½	84⅛	53¼	O	580	B	30	3	220	2	12,000	640	1	5	18.75	6	12	92	..	..	.....	6750
*DRK-30	360,000	137½	84⅛	53¼	O	890	B	(2)15	3	220	2	12,000	640	1	5	18.75	6	12	92	..	..	.....	7300
*RK-40	480,000	146¼	93⅛	60¼	O	770	B	40	3	220	2	16,000	550	1	7½	25.0	6	12	120	..	..	.....	7850
*DRK-40	480,000	146½	93⅛	60¼	O	710	B	(2)20	3	220	2	16,000	550	1	7½	25.0	6	12	120	..	..	.....	9100
*RK-50	600,000	187¼	105⅛	60¼	O	1070	B	50	3	220	2	20,000	465	1	10	31.75	6	12	150	..	..	.....	10,000
*DRK-50	600,000	187½	105⅛	60¼	O	836	B	(2)25	3	220	2	20,000	465	1	10	31.75	6	12	150	..	..	.....	10,600
*RK-60	720,000	218	103⅛	64¼	O	650	B	60	3	220	2	24,000	475	1	15	40.05	6	12	180	..	..	.....	12,000
*DRK-60	720,000	218	103⅛	64¼	O	580	B	(2)30	3	220	2	24,000	475	1	15	40.05	6	12	180	..	..	.....	13,000
7730G	36,000	31½	77⅞	22⅛	H	1750	T	3	3	208/220	1	1200	805	1	½	2.4	4	22	9	1	C	16x25x1	573
7750G	60,000	38½	84⅛	24½	H	1750	T	5	3	208/220	1	2000	720	1	½	4.0	4	22	13	2	C	16x20x1	778
																				1	C	16x25x1	
7775G	90,000	42½	89⅞	26¼	SH	1750	C	7½	3	208/220	2	3000	975	1	¾	6.0	4	22	17	1	C	20x25x1	1000
77100G	120,000	54¼	93⅛	26¼	SH	1750	C	10	3	208/220	2	4000	920	1	1½	8.0	4	22	19	3	C	16x25x1	1308
77150G	180,000	73	101⅞	31⅛	SH	1750	C	(2) 7½	3	208/220	2	6000	805	1	2	10.7	4	22	34	4	C	16x25x1	2050
																				4	C	16x20x1	
77200G	240,000	73	106½	36⅛	SH	1750	C	(2)10	3	208/220	2	8000	850	1	3	14.5	4	22	40	2	C	16x25x1	2370
*Self-contained central station air conditioners equipped with built-in evaporative condenser. **No plenum supplied. All above units are self-contained central station air conditioners equipped with water-cooled condensers.																							
Kauffman Air Conditioning Co., 4505 Olive St., St. Louis, Mo. — "Kauffman"																							
30	36,000	24	82	24	H	1750	T	3	..	230	1	1200	Var.	1	½	2.6	4	22	9	1	C	14½x24⅞	950
50	6000	28	84	28	H	1750	T	5	..	230	1	2000	.....	1	½	4.5	4	22	11	1	C	17½x35⅞	1050
75	33,000	28	94	28	SH	1750	C	7½	..	230	2	3000	.....	1	1	6.7	4	22	17	2	C	23½x19⅝x1	1450
100	12,000	28	99	28	SH	1750	C	10	..	230	2	4000	.....	1	1½	8.3	6	22	30	2	C	23½x33⅞x1	1800
150	18,000	29	99	29	SH	1750	C	15	..	230	2	6000	.....	1	2	12.6	6	22	40	2	C	26½x33⅞x1	2150
200	24,000	32	108	32	SH	1750	C	20	..	230	2	8000	.....	1	2½	15	6	22	75	2	C	38x33⅞x1	3400

WATER COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) Including Plenum W	H	D	Compresser Type	RPM	Make	Compresser Motor HP	Phase	Voltage	Blower No.	Blower CFM	Blower RPM	Blower Motor No.	Blower Motor HP	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Refrig. (lb.)	Air Filter No.	Air Filter Type	Air Filter Size (In.)	Net Wt. (lb.)
York Corp., Subsidiary of Borg-Warner Corp., Grantley Rd., York, Pa. — "Yorkaire Special, Embassy"																							
R3Y	36,000	28⅝	63¾*	18¼	H	1750	O	(2) 1½	1	230	1	1200	.....	1	½	3.82	3	22	.....	..	..	.....	450
354	.....	35	82	23	H	1725	O	3	1—3	230/220/208/440/550	1	1200	900 625	1	½	3.77	3	22	7	4	C	10⅞x13⅛x1	640
554	.....	42	82½	23	H	1725	O	5	1—3	230/220/208/440/550	1	2000	910 625	1	½	5.3	3	22	8⅛	4	C	10⅞x18⅝x1	830
752	.....	46	93½	27	H	1725	O	7½	3	220/208/440/550	1	3000	745 550	1	1	8.7	3	22	10	4	C	15⅞x20⅛x1	990
1003	.....	71	96¼	26	H	1725	O	(2) 5	3	220/208/440/550	1	4000	816 652	1	1½	10.94	3	22	8⅛	4	C	25⅝x15⅞x1	1600
1503	.....	79¼	99¾	29½	H	1725	O	(2) 7½	3	220/208/440/550	2	6000	835 675	1	2	13.0	4	22	12	4	C	30⅝x15⅞x1	2100
2501	.....	79¾	103⅞*	42	H	1725	O	(3) 7½	3	220/208/440/550	2	9000	760 680	1	3	20	4	22	12	6	C	(3)16x25x1 (3)20x25x1	2550
*No Plenum.																							
Cond-Air Div., Elliott Engineering Co., Inc., 10608 Sante Fe, South Gate, Calif. — "Cond-Air"																							
EC 30V	35,200	54	52	20	H	1725	T	3	1—3	220	1	1200	600	1	½	3	4	22	9	1	C	20x20x1	850
EC 50V	58,600	63	58	26	H	1725	T	5	1—3	220	1	2000	575	1	½	3.9	4	22	18	2	C	16x20x1	1100
EC 75V	84,660	88	77	25	SH	1725	C	7½	3	220/440	1	3000	562	1	¾	6.6	4	22	30	2	C	16x20x1	1600
EC 100V	119,850	88	77	25	SH	1725	C	10	3	220/440	1	4000	620	1	1	8	4	22	45	4	C	16x20x1	2200
EC 150H	169,320	119	72	19⅜	SH	1725	C	(2) 7½	3	220/440	2	6000	562	1	1½	12	4	22	60	6	C	16x25x1	2700
EC 200H	239,700	121	76	19⅜	SH	1725	C	(2)10	3	220/440	2	8000	595	1	2	16	4	22	90	6	C	20x25x1	3200
NOTE: All units with integrated evaporative condensers capacities at 105° condensing. Dual compresser models standard with 50% capacity reduction.																							
American Coils Co., Farmingdale, N. J. — "U-ACI"																							
U-AC1-30*	36,000	35¼	76	25½	SH	1750	C	3	3	208/220	1	1200	680	1	½	2.7	4	12	11	1	C	14¾x25¾x1	764
U-AC1-50*	61,000	44¾	82	26¾	SH	1750	C	5	3	208/220	1	2000	680	1	½	4.4	4	12	13	1	C	18½x34¾x1	925
U-AC1-75**	93,000	51	82	30¼	SH	1750	C	7½	3	208/220	2	3000	720	2	½	6.7	4	12	16	2	C	19⅞x23½x1	1167
U-AC1-100**	121,000	57	87	30¼	SH	1750	C	(2) 5	3	208/220	2	4000	680	2	½	9.0	4	12	26	2	C	29¼x22½x1 14¾x29¼x1	1581
U-AC1-150**	182,000	70	90	31¼	SH	1750	C	(2) 7½	3	208/220	2	6000	760	2	¾	13.5	5	12	32	3	C	22½x29¼x1	3100
*Also available in 1 or 2 phase. **Also available in 2 phase.																							
Hastings Air Conditioning Co., Inc., Hastings, Neb. — "Hastings"																							
DK-15	3-4 tons	36	83	24	H	.....	T	1½	1	230	1	1200	935	1	½	2.25	*	22	2	2	T	15x20x1	545
KP-15	3-4 tons	40	33	36	H	.....	T	1½	1	230	1	1200	990	2	½	2.25	*	22	2	2	T	16x20x2	400
DKP-30	5-7 tons	48	80	27	H	.....	T	3	1—3	230	1	2000	760	1	½	4.0	*	22	4	3	T	16x23x2	775
DK-50	7½-11	51	97	29	H	.....	T	5	3	208/230	1	3500	885	1	1½	6.3	*	22	6½	3	T	15x31x1	950
These units have both direct expansion and water coils, and are designed for use where water is available at 70° F. or colder. *2 DX 4 Water																							
Carrier Corp., 300 S. Geddes St., Syracuse, N. Y. — "Carrier"																				2	T	16x25x1	
50K8	93,600	48	77	30⅛	H	1750	O	7½	3	208/220/440/550	1	3500	750	1	1	7.75	3	22	14½	2	T	16x20x1	1120
50K12	126,200	82	64	22⅛	H	1750	O	10	3	208/220/440/550	2	4750	870	1	2	11.20	3	22	17	4	T	20x25x1	1369
50K16	191,750	82	83	30⅛	H	1750	O	(2) 7½	3	208/220/440/550	3	7200	770	1	3	16.90	3	22	29	4	T	16x20x1 20x20x1	2050
50R4	38,700	36	52	21	H	1750	O	3	1—3	230/208/440/550	1	1450	756	1	½	4.60	2	22	6½	2	T	16x20x1	510
50R6	64,100	43	64	22	H	1750	O	5	1—3	230/208/440/550	1	2400	815	1	½	6.60	2	C-500	9¼	1 1	T T	16x25x1 20x25x1	710
41D24	244,400	85⅛	83⅛	26⅛	H	1750	O	(2)10	3	208/220/440/550	2	9150	760	1	3	13.9	4	22	38	8	T	16x20x1 16x20x2	1985
Rheem Mfg. Co., 7600 S. Kedzie, Chicago, Ill. — "Rheem"																							
RC-3-1*	38,040	25	81¾	23½	H	1750	T	3	1	230	1	1200	560	1	¼	2.4	4	22	7	1	T	16x25	558
RC-5-1*	63,400	38	84½	27½	H	1750	T	5	1	230	1	2000	690	1	⅓	4.0	4	22	10	2 1	T	16x20 20x25	734
RC-8-3	95,100	42	93¾	27½	SH	1750	C	7½	3	220	2	3000	870	1	¾	6.0	4	22	13	1	T	16x25	1080
RC-10-3	126,800	54	98¾	27½	SH	1750	C	10	3	220	2	4000	725	1	1	8.0	4	22	15	3	T	16x25	1351
RC-15-3	190,200	78	98¾	28½	SH	1750	C	(2) 7½	3	220	3	6000	780	1	1½	12.0	4	22	13**	2 2 2	T	16x25 20x25 20x25	2095
RC-20-3	253,600	78	107¾	33½	SH	1750	C	(2)10	3	220	3	8000	642	1	2	16.0	4	22	15**	2 1 1	T	16x25 20x20 16x20	2978
*Also available in 3 phase. **Each circuit.																							

WATER COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) Including Plenum W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	No.	Blower CFM	RPM	Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Air Filter No.	Type	Size (In.)	Net Wt. (lb.)
Westinghouse Electric Corp., Air Conditioning Div., P. O. Box 510, Staunton, Va. — "Westinghouse"																							
SU-403	36,000	34⅞	75⅛	25	SH	1750	O	3	1-2-3	230/220 208/440/550	1	1200	Var.	1	½	2.9	2	22	3	1	C	20x25x1	540
SU-603	60,000	41⅞	82⅛	27	SH	1750	O	5	1-2-3	230/220 208/440/550	1	2000	Var.	1	¾	4.0	3	12	11	2	C	16x20x1	750
SU-803A	90,000	52¼	91	28½	SH	1750	O	7½	2—3	220/208/440/550	1	3000	Var.	1	1	6.0	3	22	11	2 2 1	C	12x20x1 12x25x1 20x30x2	900
MU-113	120,000	62¾	90⅝	32⅛	SH	1750	O	(2) 5	2—3	220/208/440/550	2	4000	Var.	1	1½	8.9	4	12	22	1	C	25x30x2	1510
MU-163	180,000	71⅜	90⅝	32⅛	SH	1750	O	(2) 7½	2—3	220/208/440/550	2	6000	Var.	1	3	12.1	4	22	22	3	C	20x30x2	1730
LU-86	264,000	92	74	42	SH	1750	O	20	2	220/208/440/550	2	8250	Var.	1	3	16.8	4	12	49	..	C	.....	3200
LU-108	318,000	92	74	42	SH	1750	O	25	2	220/208/440/550	2	9550	Var.	1	5	19.1	4	12	49	..	C	.....	3580
LU-125	352,000	103	92	48	SH	1750	O	30	2	220/208/440/550	2	12,000	Var.	1	5	24.0	4	22	62	..	T	.....	4000
LU-150	492,000	128	92	48	SH	1750	O	40	2	220/208/440/550	..	16,000	Var.	1	7½	32.0	4	22	75	..	T	.....	4750
August G. Barkow Mfg. Co., Inc. 2230 South 43rd St., Milwaukee, Wis. — "Weatherwise"																							
CK2-W	24,000	31	62	21	H	1725	T	2	1	230	1	800	650	1	¼	2.66	4	22	4	1	C	16x25x1	470
CK3-W	36,000	31	62	21	H	1725	T	3	1—3	230/208/220	1	1200	650	1	¼	2.66	4	22	6	1	C	16x25x1	490
CK5-W	60,000	38⅛	75½	23¼	SH	1740	C	5	1—3	230/208/220	1	2000	700	1	½	4.0	4	12	6	2	C	15x20x1	725
CK75-W	90,000	52½	66½	23¼	SH	1740	C	7½	3	208/220	2	3000	618	1	½	5.62	4	12	18	3	C	15x20x1	1015
Farquhar Co., 230 Owens Ave., Wilmington, Ohio — "FarQuar"																							
AF-2	24,000	26	51	38	SH	1750	C	2	1	230	1	800	830	1	¼	2.25	3	12	4	1 1 1	T T T	10x20x1 20x20x1 10x20x1	.....
AF-3	36,000	28	54	38	SH	1750	C	3	1	230	1	1200	850	1	½	2.25	4	12	4	1 1 1	T T T	20x20x1 16x25x1 20x25x1	.....
AF-5	60,000	32	59	42	SH	1750	C	5	1	230	1	2000	720	1	½	4.0	4	22	5	1	T	20x25x1	.....
AV-7.5	90,000	42	65	35	SH	1750	C	7½	3	220	1	3000	600	1	¾	6.0	4	22	12	4	T	20x20x1	.....
AV-10	120,000	57	70	36	SH	1750	C	10	3	220	2	2000	720	2	½	8.5	4	22	17	5	T	16x25x1	.....
Worthington Corp., Ampere Station, East Orange, N. J. — "Worthington"																							
SC9-40	37,065	37¼	82⅞	21⅜	SH	1750	O	3	1-2-3	208/220/230 380/440/550	1	1200	650	1	½	3.84	3	22	9	2	T	16x20x1	794
SC9-60	62,500	48¼	86	21⅜	SH	1750	O	5	1-2-3	208/220/230 380/440/550	1	2000	840	1	½	5.22	3	22	12	2	T	20x20x1	928
SC9-80	97,500	58¼	88½	23⅛	SH	1750	O	7½	2—3	208/220/ 380/440/550	2	3000	850	2	¾	8.38	3	22	14	3	T	16x25x1	1280
SC9-1040	124,000	82¼	98⅛	31⅛	SH	1750	O	(2)10	2—3	208/220/ 380/440/550	2	4000	800	2	1½	13.0	3	22	26	8	T	(4)16x20x1 (4)20x20x1	2214
SC9-1550	185,500	82¼	98⅛	31⅛	SH	1750	O	(2)15	2—3	208/220/ 380/440/550	2	6000	790	2	2	13.0	4	22	28	8	T	(4)16x20x1 (4)20x20x1	2760
RWR-200(HB)*	24,050	55⅜	25	41½	SH	1750	O	2	1	230	1	800	650	1	½	2.71	3	12	6	2	C	17⅞x15¼x⅞	587
RWR-400(HB)*	36,100	55⅜	25	41½	SH	1750	O	3	1-2-3	208/220/230 380/440/550	1	1200	750	1	½	3.44	3	22	8	2	C	17⅞x15¼x⅞	612
RWR-600(HB)*	60,000	60⅝	28	41½	SH	1750	O	5	1-2-3	208/220/230 380/440/550	1	2000	650	1	½	4.09	4	22	9	2	C	17⅞x15¼x⅞	710
RWR-800(HB)*	91,400	77⅞	36½	49½	SH	1750	O	7½	2—3	208/220/230 380/440/550	1	3000	700	1	¾	6.25	4	22	11.5	2	C	22¾x22¾x⅞	978
Iron Fireman Mfg., Co., 3170 W. 106th St., Cleveland, Ohio — "Iron Fireman"																							
C-201*	24,088	24⅛	38	19	H	.....	T	2	1	230	..	.....	.....	..	.....	.....	..	22	.....	.....	..	.....	.....
C-301*	36,040	24⅛	38	19	H	.....	T	3	1	230	..	.....	.....	..	.....	.....	..	22	.....	.....	..	.....	.....
C-501*	65,800	33⅜	41	21¼	H	.....	T	5	1	230	..	.....	.....	..	.....	.....	..	22	.....	.....	..	.....	.....
HFC-201*	24,088	19	62¾	33	H	.....	T	2	1	230	..	1785	.....	..	½	.....	..	22	.....	.....	..	.....	.....
HFC-301*	36,040	19	62¾	33	H	.....	T	3	1	230	..	1785	.....	..	¼	.....	..	22	.....	.....	..	.....	.....
HFC-501*	65,800	22	62¾	33	H	.....	T	5	1	230	..	2500	.....	..	½	.....	..	22	.....	.....	..	.....	.....
HDC-201*	24,088	23¾	41¾**	20⅞	H	.....	T	2	1	230	..	.....	.....	..	.....	.....	..	22	.....	.....	..	.....	.....
HDC-301*	36,040	23¾	41¾**	20⅞	H	.....	T	3	1	230	..	.....	.....	..	.....	.....	..	22	.....	.....	..	.....	.....

*Also available in 3 phase. **Length.

WATER COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) Including Plenum W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Blower No.	Blower CFM	Blower RPM	Blower Motor No.	Blower Motor HP	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Refrig. (lb.)	Air Filter No.	Air Filter Type	Air Filter Size (In.)	Net Wt. (lb.)
American-Standard Corp., Air Conditioning Div., 40 West 40th St., New York, N. Y. — "American-Standard"																							
HCA-2F*	25,680	27¼	57	28⅛	H	1725	T	2	1	230	1	800	935	1	⅓	2.11	3	22	2 1⅛	1	T	20x25x1	510
HCA-3F*	38,020	27¼	57	28⅛	H	1725	T	3	1	230	1	1200	900	1	⅓	2.53	4	22	2 1⅛	1	T	20x25x1	555
HCA-5F*	62,900	43⅝	69¼	34½	H	1725	**	5	1	230	1	2000	875	1	½	5.93	3	22	6⅛	2	T	20x20x1	945
CCA-2*	25,680	26¼	82	21⅞	H	1725	T	2	1	230	1	800	760	1	⅓	2.11	3	22	2 1⅛	1	T	18x21x1	540
CCA-3*	38,020	26¼	82	21⅞	H	1725	T	3	1	230	1	1200	850	1	⅓	2.53	4	22	2 1⅛	1	T	18x21x1	575
CCA-5*	62,900	43⅛	88	23⅞	H	1725	**	5	1	230	1	2000	770	1	½	5.93	3	22	6⅛	1	T	16x37x1	946
*Also available in 3 phase. **York.																							
Bard Mfg. Co., Evansport Rd., Bryan, Ohio — "Bard"																							
B2081	24,760	28¼	56½	19¼	H	.....	T	2	1	230	1	800	875	1	½	1.86	3	22	2.7	1	T	16x25x1	460
B3081	38,650	28¼	56½	19¼	H	.....	T	3	1	230	1	1200	920	1	⅓	2.69	3	22	3.0	1	T	16x25x1	460
B5081	65,800	36	67	25¼	H	.....	T	5	1—3	230	1	2000	760	1	½	4.2	4	22	5.25	2	T	16x25x1	725
General Electric Co., Commercial & Industrial Air Conditioning Div., 5 Lawrence St., Bloomfield, N. J. — "General Electric"																							
FD30G	36,000	34	82¼	21⅝	H	1750	O	3	..	.....	1	1200	.....	1	¼	3.0	3	12	6½	2	T	16x20x1	553
FD50G	60,000	45	82½	21⅝	H	1750	O	5	..	.....	2	2000	.....	1	½	5.0	3	12	9	2	T	20x25x1	665
FD75G	90,000	45	88½	22¾	H	1750	O	7½	..	.....	2	3000	.....	1	1	6.2	4	22	9	4	T	(2)16x20x1 (2)16x25x1	740
FD100G	120,000	55⅛	92⅛	28⅞	H	1750	O	10	..	.....	2	4000	.....	1	2	10.3	3	12	18	4	T	25x16x1	1300
FD150G	180,000	77⅛	90 1⅞	28⅞	H	1750	O	15	..	.....	2	6000	.....	1	3	15.4	3	22	19	6	T	25x16x1	1550
FDW200C	240,000	77	94½	43	H	3450	O	(2)10	..	.....	2	8000	.....	1	3	19.8	3	22	32	8	T	16x25x1 (4)16x25x1	2235
FDW250C	300,000	77	94½	43	H	3450	O	10, 15	..	.....	2	10,000	.....	1	5	24.8	3	22	33	12	T	(8)16x20x1	2340
FDW300C	360,000	77	94½	43	H	3450	O	(2)15	..	.....	2	12,000	.....	1	7½	29.8	3	22	34	16	T	16x20x1	2480
FCW30C	36,000	34	28⅝	56½	H	1750	O	3	..	.....	1	1200	.....	1	¼	3.2	3	12	12	2	T	16x20x1	450
FCW50C	60,000	55	28⅝	56½	H	1750	O	5	..	.....	1	2000	.....	1	½	5.3	3	12	11	2	T	20x25x1	590
FCW75C	90,000	55	28⅝	56½	H	1750	O	7½	..	.....	1	3000	.....	1	¾	6.6	4	22	10	3	T	(2)16x25x1 20x25x1	635
Emerson Radio and Phonograph Corp., 46 Oliver St., Newark, N. J. — "Quiet Kool"																							
SC2A2*	24,000	29½	54	20	H	1725	T	2	1	230	1	800	600	1	¼	3.3	2	22	2.5	1	T	16x25x1	370
SC3A2*	36,500	29½	54	20	H	1725	T	3	1	230	1	1120	650	1	¼	3.3	3	22	3.0	1	T	16x25x1	390
RC2B2*	24,000	29½	54	20	H	1725	T	2	1	230	1	800	1725	1	¼	3.3	2	22	2.5	1	T	20x25x1	340
RC3B2*	36,500	29½	54	20	H	1725	T	3	1	230	1	1120	1725	1	⅓	3.3	3	22	3.0	1	T	20x25x1	360
RC2A2*	24,000	29½	54	20	H	1725	T	2	1	230	1	800	1725	1	¼	3.3	2	22	2.5	1	T	20x25x1	340
RC3A2*	36,500	29½	54	20	H	1725	T	3	1	230	1	1120	1725	1	½	3.3	3	22	3.0	1	T	20x25x1	360
*Also available in 3 phase.																							
Dunham-Bush, Inc., 179 South St., West Hartford, Conn.																							
BAC-30-1	36,000	35¼	78⅛	25½	SH	1750	B	3	1-2-3	220/220/208	1	1200	680	1	⅓	2.7	4	12	11	1	C	14¾x25¾x1	764
BAC-50-1	61,000	44¾	83⅛	26¾	O	825	B	5	1-2-3	220/220/208	1	2000	680	1	⅓	4.4	4	12	13	1	C	18½x34¾x1	960
BAC-75-1	93,000	51	83⅛	30¼	O	620	B	7½	2—3	220/208	2	3000	720	2	⅓	6.7	4	12	16	1	C	25½x38⅞x1	1342
BAC-100-1	121,000	57	89⅛	30¼	O	825	B	10	2—3	220/208	2	4000	680	2	½	9.0	4	12	20	1	C	29¼x45x1	1916
Meyer Furnace Co., 1300 S. Washington, Peoria, Ill. — "Meyer"																							
SC-2	25,770	30	71	20	H	.....	T	2	1—3	230	10	800	.....	..	⅛	.....	4	22	2 1⅛	..	C	.....	415
SC-3	37,450	30	71	20	H	.....	T	3	1—3	230	10	1200	.....	..	¼	.....	4	22	2 1⅛	..	C	.....	440
SC-5	65,800	38½	73	22	H	.....	T	5	1—3	230	12	2000	.....	..	⅓	.....	4	22	5¼	..	C	.....	625
Ed Friedrich, Inc., 1117 E. Commerce St., San Antonio, Texas — "Floating Air"																							
C301W*	36,000	23 1⅛	77 1⅛	26 1⅜	H	1725	T	3	1	230	1	1200	890	1	½	2.43	4	22	6	1	C	1x20x25	416
C501W*	60,000	42¼	85¼	29½	SH	1725	C	5	1	230	1	2000	700	1	½	4.94	2	12	10	2	C	1x17¾x23	905
C753W	90,000	42¼	85¼	29½	SH	1725	C	7½	3	220	1	2850	700	1	¾	5.54	2	12	12	2	C	1x17¾x24	1005
*Also available in 3 phase.																							
Cool-Ette, Inc., 20080 James Couzens Highway, Detroit, Mich.																							
1F2W	24,760	25	57½	21½	H	1725	T	2	1	230	1	800	Var.	1	¼	1.75	4	22	2 1⅛	1	C	20x20x1	340
1F3W*	38,650	25	57½	21½	H	1725	T	3	1	230	1	1200	Var.	1	⅓	2.9	4	22	2 1⅛	1	C	20x20x1	385
1F5W*	65,800	35	66½	25	H	1725	T	5	1	230	1	2000	Var.	1	½	4.2	4	22	5¼	2	C	16x25x1	590
1SC2W	24,760	25	70¼	21½	H	1725	T	2	1	230	1	800	Var.	1	¼	1.75	4	22	2 1⅛	1	C	20x20x1	370
1SC3W*	38,650	25	70¼	21½	H	1725	T	3	1	230	1	1200	Var.	1	⅓	2.9	4	22	2 1⅛	1	C	20x20x1	415
1SC5W*	65,800	35	79¼	25	H	1725	T	5	1	230	1	2000	Var.	1	½	4.2	4	22	5¼	2	C	16x25x1	630
*Also available in 3 phase.																							

WATER COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) Including Plenum W	H	D	Compresser Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Blower No.	CFM	RPM	Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Air Filter No.	Type	Size (In.)	Net Wt. (lb.)
Majestic Co., Inc., Erie St., Huntington, Ind. — "Majestic"																							
UW2-1	24,000	22	62¼	22	H	.....	T	2	1—3	220	..	800	.....	..	¼	.....	4	22	2¼	..	T	.....	350
UW3-1	36,000	26	68¾	26	H	.....	T	3	1—3	220	..	1200	.....	..	⅓	.....	4	22	3⅜	..	T	.....	425
UW5-1	60,000	29½	71½	29½	H	.....	T	5	1—3	220	..	2000	.....	..	⅓	.....	4	22	5⅝	..	T	.....	525
DW2-1	24,000	22	62¼	22	H	.....	T	2	1—3	220	..	800	.....	..	¼	.....	4	22	2¼	..	T	.....	350
DW3-1	36,000	26	68¾	26	H	.....	T	3	1—3	220	..	1200	.....	..	⅓	.....	4	22	3⅜	..	T	.....	425
DW5-1	60,000	29½	71½	29½	H	.....	T	5	1—3	220	..	2000	.....	..	⅓	.....	4	22	5⅝	..	T	.....	525
HW2-1	24,000	22	62¼	22	H	.....	T	2	1—3	220	..	800	.....	..	¼	.....	4	22	2¼	..	T	.....	350
HW3-1	36,000	26	68¾	26	H	.....	T	3	1—3	220	..	1200	.....	..	⅓	.....	4	22	3⅜	..	T	.....	425
HW5-1	60,000	29½	71½	29½	H	.....	T	5	1—3	220	..	2000	.....	..	⅓	.....	4	22	5⅝	..	T	.....	525
FW2-1	24,000	22	62¼	22	H	.....	T	2	1—3	220	..	800	.....	..	¼	.....	4	22	2¼	..	T	.....	350
FW3-1	36,000	26	68¾	26	H	.....	T	3	1—3	220	..	1200	.....	..	⅓	.....	4	22	3⅜	..	T	.....	425
FW5-1	60,000	29½	71½	29½	H	.....	T	5	1—3	220	..	2000	.....	..	⅓	.....	4	22	5⅝	..	T	.....	525
Typhoon Air Conditioning Co., Div. of Hupp Corp., 505 Carroll St., Brooklyn, N. Y. — "Typhoon"																							
H-46-SC	37,000	37	73½	24½	H	1750	T	3	3	208/220	1	1200	.....	1	¼	2.81	4	22	6½	2	T	(1)16x25x1 (1)20x25x1	615
H-66-SC	60,600	37	73½	24½	SH	1750	C	5	3	208/220	1	2000	.....	1	½	4.67	4	22	9	2	T	(1)16x25x1 (1)20x25x1	790
H-86-SC	97,500	37	73½	24½	SH	1750	C	7½	3	208/220	1	2800	.....	1	¾	4.67	6	22	11	2	T	(1)20x25x1 (1)16x25x1	915
H-76-SC	84,800	52	79	27	H	1750	T	(2) 3	3	208/220	2	2800	.....	1	¾	7.87	..	22	13*	2	T	20x25x1	1540
H-96-SC	101,750	52	79	27	SH	1750	C	7½	3	208/220	2	3800	.....	1	¾	7.87	4	22	11	2	T	20x25x1	1140
H-116-SC	125,000	52	79	27	SH	1750	C	10	3	208/220	2	4000	.....	1	¾	7.87	5	22	16	2	T	20x25x1	1250
H-166-SC	191,000	62	95	35	SH	1750	C	(2) 7½	3	208/220	2	6000	.....	1	1½	13.0	5	22	33**	6	C	16x20x2	2135
H-216-SC	248,000	62	95	35	SH	1750	C	(2)10	3	208/220	2	8000	.....	1	2	13.0	6	22	32*	8	C	16x20x2	2400
H-266-SC	310,000	62	95	35	SH	1750	C	(3) 7½	3	208/220	2	8000	.....	1	3	13.0	8	22	33**	8	C	16x20x2	3200
H-316-SC	366,000	84	92	45	SH	1750	C	(3)10	3	208/220	2	12,000	.....	1	5	21.0	6	22	48**	8	C	20x25x2	3470
H-416-SC	492,000	84	92	45	SH	1750	C	(4)10	3	208/220	2	12,000	.....	1	5	21.0	8	22	64***	8	C	20x25x2	4560
*2 Circuit. **3 Circuit. ***4 Circuit.																							
Perfection Industries, Div. of Hupp Corp., 1135 Ivanhoe Rd., Cleveland, Ohio — "Perfection"																							
PKP31C	36,000	29½	70½	25¼	H	1725	T	3	1	230	1	1200	800	1	½	2.75	3	22	3.6	1	C	18x22x1	575
PKP51C	61,000	37½	70½	28⅜	H	1725	T	5	1	230	1	1800	875	1	½	4.23	4	22	5.2	1	C	30x21x1	835
PKP83C	97,000	48	88	31	H	1725	T	(1) 5 (1) 3	3	208/220	2	2800	950	1	¾	6.5	4	22	8.8	2	C	20x25x1	1050
PH116SC	125,000	52	79	27	SH	1750	C	10	3	208/220	2	4000	.....	1	¾	7.87	5	22	16	2	C	20x25x1	1250
PH166SC	191,000	62	95	35	SH	1750	C	(2) 7½	3	208/220	2	6000	.....	1	1½	13.0	5	22	22	6	C	16x20x2	2135
PH216SC	248,000	62	95	35	SH	1750	C	(2)10	3	208/220	2	8000	.....	1	2	13.0	6	22	32	8	C	16x20x2	2400
PH266SC	310,000	62	97	35	SH	1750	C	(3) 7½	3	208/220	2	8000	.....	1	3	13.0	8	22	33	8	C	16x20x2	3200
PH316SC	366,000	84	92	45	SH	1750	C	(3)10	3	208/220	2	12,000	.....	1	5	21.0	6	22	48	8	C	20x25x2	3470
PH416SC	522,000	84	92	45	SH	1750	C	(4)10	3	208/220	2	12,000	.....	1	5	21.0	8	22	64	8	C	20x25x2	4560

WATER COOLED CONDENSING UNITS

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) W	H	D	Compresser Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.)
Worthington Corp., Ampere Station, East Orange, N. J. — "Worthington"																		
RWC-200	24,050	39 13/16	16 5/16	19¾	SH	1750	O	2	1	230	.....	..	12	√	....	√	√	277
RWC-400	36,100	39 13/16	16 5/16	19¾	SH	1750	O	3	1—3	208/220/230	.....	..	22	√	....	√	√	328
RWC-600	60,000	39 13/16	16 5/16	19¾	SH	1750	O	5	1—3	208/220/230	.....	..	22	√	....	√	√	362
RWC-800	91,400	47 13/16	21½	21¼	SH	1750	O	7.5	3	208/220	.....	..	22	....	....	√	√	483
RWR-200	20,050	20½	24	38	SH	1750	O	2	1	230	2.71	3	12	....	....	..	....	375
RWR-400	36,100	20½	24	38	SH	1750	O	3	1-2-3	208/220/230/ 380/440/550	3.44	3	22	....	....		....	405
RWR-600	60,000	22¼	27	38	SH	1750	O	5	1-2-3	208/220/230/ 380/440/550	4.09	4	22	....	....	.	....	466
RWR-800	91,400	26	35	46	SH	1750	O	7.5	2—3	208/220/ 380/440/550	6.25	4	22	....	....	.	....	648

WATER COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available: Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.)
Mueller Climatrol, Div. of Worthington Corp., 2005 W. Oklahoma Ave., Milwaukee, Wis. — "Mueller Climatrol"																		
902-21	23,600	40	18	20¾	SH	1750	O	2	1	230	.....	..	12	√	√	√	√	330
902-31*	36,800	40	18	20¾	SH	1750	O	3	1	230	.....	..	22	√	√	√	√	355
902-51*	54,800	40	18	20¾	SH	1750	O	5	1	230	.....	..	22	√	√	√	√	400
902-73	98,000	48	21½	22¼	SH	1750	O	7½	3	208/220	.....	..	22	√	....	√	√	450
923-21	26,050	20¼	46	27¾	H	1750	T	2	1	230	2.20	3	22	....	....	....	....	340
923-31*	36,900	20¼	46	27¾	H	1750	T	3	1	230	3.20	3	22	....	....	....	....	350
923-51*	59,500	24⅝	45	38	SH	1750	O	5	1	230	4.45	4	22	....	....	....	....	580
*Also available in 3 phase.																		
Kool Engineering Corp., 3716 Belmont Ave., Chicago Ill. — "Kool Kastle"																		
28TW	25,000	29	14	29	H	1800	T	2	1	220	2.92	2	22	√	√	√	√	160
38W	37,300	29	14	29	H	1800	T	3	1	220	4.16	2	22	√	√	√	√	200
Therm-Air Mfg., Co., 1000 N. Division St., Peekskill, N. Y. — "Weathertrol"																		
WC2	24,600	31	26	20	H	1750	T	2	..	208/220/230	2.75	4	22	√	....	√	√	.....
WC3	36,800	31	26	20	H	1750	T	3	..	208/220/230	2.75	4	22	√	....	√	√	.....
WC5	60,800	38	32	24	H	1750	T	5	..	208/220/230	4.13	4	22	√	....	√	√	.....
WC7½	94,400	38	32	24	SH	1750	C	7½	..	208/220/440	5.5	4	22	....	....	√	√	.....
WC10	121,800	62	34	30	SH	1750	C	10	..	208/220/440	8.26	4	22	....	....	√	√	.....
WC15	188,800	62	34	30	SH	1750	C	15	..	208/220/440	11.00	4	22	....	....	....	√	.....
WC20	242,000	72	34	30	SH	1750	C	20	..	208/220/440	15.4	4	22	....	....	....	√	.....
Larger sizes on application.																		
C. A. Olsen Mfg. Co., Elyria, Ohio — "Luxaire"																		
312-W*	41,600	30	49	19½	H	1725	T	3	1	230	3.3	3	22	....	....	√	....	464
Note: This is not a "Split" System																		
Henry Furnace Co., Medina, Ohio — "Moncrief"																		
312-W*	41,600	30	49	19½	H	1725	T	3	1	230	3.3	3	22	....	....	√	....	464
Note: This is not a "Split" System																		
General Electric Co., Home Heating & Cooling Dept., Tyler, Texas — "General Electric"																		
FE20J	24,000	21	55	30⅛	H	1725	T	2	1	230	2.09	4	22	√	....	....	*	300
FE25J	30,000	21	55	30⅛	H	1725	T	2½	1	230	2.49	4	22	√	....	....	*	305
FE30J	36,000	21	55	30⅛	H	1725	T	3	1	230	2.97	4	22	√	....	....	*	350
*Evaporator built-in — blower available.																		
American Furnace Co., 1300 Hampton Ave., St. Louis, Mo. — "AFCO Comfortmaker"																		
SH-2T	24,000	21½	40¼	27	H	1750	T	2	1—3	230/220	2.5	3	22	....	....	....	*	325
SH-3T	36,000	21½	40¼	27	H	1750	T	3	1—3	230/220	3.15	4	22	....	....	....	*	350
SH-5T-2	60,000	26	40½	42	H	1750	T	(1)2 (1)3	1—3	230/220	4.1	4	22	....	....	....	*	615
*Blower assembly available.																		
Westinghouse Electric Corp., Air Conditioning Div., P. O. Box 510, Staunton, Va. — "Westinghouse"																		
WU-401	43,000	32	27⅞	16	SH	1750	O	3	1—3	230/208/220	.....	..	22	√	√	√	√	300
WU-601	60,500	39	28¾	16	SH	1750	O	5	1—3	230/208/220	.....	..	12	√	√	√	√	430
Stewart-Warner Corp., Heating & Air Conditioning Div., Lebanon, Ind.																		
RC-W-A-2	25,500	42½	22	30⅝	H	1725	T	2	1	230	.....	..	22	√	√	√	√	320
RC-W-A-3	36,500	42½	22	30⅝	H	1725	T	3	1—3	230/208/220	.....	..	22	√	√	√	√	340
RC-W-B-5	62,000	55¾	29¾	39⅛	H	1725	T	5	1—3	230/208/220	.....	..	22	√	√	√	√	540
Mitchell Mfg. Co., Div. of Cory Corp., 32u0 W. Peterson Ave., Chicago, Ill. — "Mitchell"																		
C-200-1*	27,600	31¼	44¾	24	H	1725	T	2	1	230	3.06	3	22	....	....	....	....	375
C-300-1*	38,400	31¼	44¾	24	H	1725	T	3	1	230	3.06	4	22	....	....	....	....	390
C-500-1*	63,000	41	48¼	26¼	H	1725	T	5	1	230	4.45	3	22	....	....	....	....	566
*Also available in 3 phase.																		

WATER COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.)
Bell & Gossett Co., 8200 N. Austin, Morton Grove, Ill.																		
JRC-28	90,000	21½	32½	51¾	....	1200	O	7½	..	.....	.....	..	....	....	....	....	....	.....
JRC-210	120,000	21½	32½	51¾	....	1750	O	10	..	.....	.....	..	....	....	....	....	....	.....
JRC-215	180,000	21½	34½	53½	....	1750	O	15	..	.....	.....	..	....	....	....	....	....	.....
JRC-220	240,000	21½	34½	53½	....	1750	O	20	..	.....	.....	..	....	....	....	....	....	.....
JRC-425	300,000	28¼	45¾	58½	....	1750	O	25	..	.....	.....	..	....	....	....	....	....	.....
JRC-330	360,000	21½	34½	53½	....	1750	O	30	..	.....	.....	..	....	....	....	....	....	.....
JRC-440	480,000	30	48½	63½	....	1750	O	40	..	.....	.....	..	....	....	....	....	....	.....
JRC-850	600,000	30	55½	65	....	1750	O	50	..	.....	.....	..	....	....	....	....	....	.....
JRC-660	720,000	32	52½	66	....	1750	O	60	..	.....	.....	..	....	....	....	....	....	.....
JRC-875	900,000	32	56½	67	....	1750	O	75	..	.....	.....	..	....	....	....	....	....	.....
2JRC-8100	1,200,000	36	65	120	....	1750	O	100	..	.....	.....	..	....	....	....	....	....	.....
Permaglas Div., A. O. Smith Corp., 147 S. Indiana, P. O. Box 28, Kankakee, Ill. — "Permaglas"																		
HAC-24W-1*	24,760	42½	21⅞	25¾	H	1725	T	2	1	230	2.04	4	22	....	....	√	...	251
HAC-36W-1*	38,650	42½	21⅞	25¾	H	1725	T	3	1	230	2.92	4	22	....	....	√	....	310
RAC-36W-1*	38,650	19⅜	20	24⅜	H	1725	T	3	1	230	.....	..	22	√	√	√	√	241
RAC-60W-1*	65,800	21⅞	23⅛	34	H	1725	T	5	1	230	.....	..	22	√	√	√	√	399
VAC-100-24W-1	24,760	21	55⅞	24	H	1725	T	2	1	230	2.04	4	22	....	....	....	...	239
VAC-100-36W-1*	38,650	21	55⅞	24	H	1725	T	3	1	230	2.92	4	22	....	....	....	....	255
VAC-150 36W-1*	38,650	28	58	30	H	1725	T	3	1	230	2.92	4	22	....	....	....	....	265
VAC-150-60W-1*	65,800	28	58	30	H	1725	T	5	1	230	4.19	4	22	....	....	....	...	375
*Also available in 3 phase.																		
Crane Co., 836 S. Michigan Ave., Chicago, Ill. — "Sunnyland"																		
311-W	37,350	18	49	29	SH	1750	W	3	1—3	230/208/220	3.47	2	22	√	....	....	√	474
W2-1X	28,000	21	21½	21⅝	H	1750	T	2	1—3	230/208/220	.....	..	22	√	√	√	....	225
W3-1X	42,000	21	21½	21⅝	H	1750	T	3	1—3	230/208/220	.....	..	22	√	√	√	....	240
AW2	24,000	26	51	26	H	1750	T	2	1—3	230	1.4	4	22	√	....	....	...	400
AW3	36,000	26	51	26	H	1750	T	3	1—3	230	2.0	4	22	√	....	....	...	440
2W13	24,000	18	25	28	H	1750	T	2	1—3	230/220	.....	..	22	√	√	√	√	335
3W13	36,000	18	25	28	H	1750	T	3	1—3	230/220	.....	..	22	√	√	√	√	350
5W14	60,000	18	28¼	34	H	1750	T	5	1—3	230/220	.....	..	22	√	√	√	√	455
Janitrol Heating & Air Conditioning Div., Surface Combustion Corp., 400 Dublin Ave., Columbus, Ohio																		
SHW24-55	26,800	22¾	22¾	44	H	1725	T	2	1	230	2.11	3	22	*	....	....	....	340
SHW36-55	36,900	22¾	22¾	44	H	1725	T	3	1	230	2.53	4	22	*	....	....	....	370
*Models listed use either furnace blower or a blower package ($31).																		
Waterman-Waterbury Co., 1121 Jackson St., N. E., Minneapolis, Minn. — "Waterbury"																		
WC-31	36,000	38	18	20	H	1725	T	3	1	230	3.1	4	22	√	....	....	....	225
Century Engineering Corp., 401 Third St., S. E., Cedar Rapids, Iowa — "Century"																		
W2-1X	24,760	21⅛	21½	21⅝	H	1725	T	2	1—3	230	.....	..	22	√	√	√	√	225
W3-1X	38,,650	21⅛	21½	21⅝	H	1725	T	3	1—3	230	.....	..	22	√	√	√	√	240
Cond-Air Div., Elliott Engineering Co., Inc., 10608 Sante Fe, South Gate, Calif — "Cond-Air"																		
EC 30 RV	35,200	41	49	25	H	1725	T	3	1—3	220	.....	..	22	√	√	√	√	700
EC 50 RV	58,600	49	44	31	H	1725	T	5	1—3	220	.....	..	22	√	√	√	√	1000
EC 75 RV	84,660	74	65	32	SH	1725	C	7.5	3	220/440	.....	..	22	√	....	√	√	1200
EC 100 RV	119,850	74	65	32	SH	1725	C	10	3	220/440	.....	..	22	√	....	√	√	1400
EC 150 RV	169,320	83	73	35	SH	1725	C	(2) 7.5	3	220/440	.....	..	22	√	....	√	√	2000
EC 200 RV	239,700	83	73	35	SH	1725	C	(2)10.0	3	220/440	.....	..	22	√	....	√	√	2500
Cool-Ette, Inc., 20080 James Couzens Highway, Detroit, Mich.																		
1RV2W	24,760	25	40½	21½	H	1725	T	2	1	230	1.75	4	22	√	√	√	√	300
1RV3W*	38,650	25	40½	21½	H	1725	T	3	1	230	2.9	4	22	√	√	√	√	340
1RV5W*	65,800	35	66½	25	H	1725	T	5	1	230	4.2	4	22	√	√	√	√	525
*Also available in 3 phase.																		

WATER COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Coil Face Area (Sq. Ft.)	No. Rows	No. Refrig.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.)
York Corp., Subsidiary of Borg-Warner Corp., Grantley Rd., York, Pa. — "Flex-O-Metic" — "Yorkaire Champion"																		
W51M12	.....	22½	12⅞	18	H	1725	O	½	1—3	115/230/208/220	.....	..	12	----	----	----	----	89
W51VL12	.....	22½	12⅞	18	H	1725	O	½	1—3	115/230/208/220	.....	..	12	----	----	----	----	89
W51M22	.....	22½	12⅞	18	H	1725	O	½	1—3	115/230/208/220	.....	..	22	----	----	----	----	89
W51VL22	.....	22½	12⅞	18	H	1725	O	½	1—3	115/230/208/220	.....	..	22	----	----	----	----	89
W71M12	.....	24	12⅞	20½	H	1725	O	¾	1—3	115/230/208/220	.....	..	12	----	----	----	----	108
W71VL12	.....	24	12⅞	20½	H	1725	O	¾	1—3	115/230/208/220	.....	..	12	----	----	----	----	110
W71M22	.....	24	12⅞	20½	H	1725	O	¾	1—3	115/230/208/220	.....	..	22	----	----	----	----	96
W71VL22	.....	24	12⅞	20½	H	1725	O	¾	1—3	115/230/208/220	.....	..	22	----	----	----	----	96
W101M12	.....	24	12⅞	20½	H	1725	O	1	1—3	230/208/220	.....	..	12	----	----	----	----	110
W101M22	.....	24	12⅞	20½	H	1725	O	1	1—3	230/208/220	.....	..	22	----	----	----	----	101
W101VL22	.....	24	12⅞	20½	H	1725	O	1	1—3	230/208/220	.....	..	22	----	----	----	----	108
W151M12, C	.....	30	17½	30	H	1725	O	1½	1—3	230/220/208/440	.....	..	12	----	----	----	----	251
W151VL12, C	.....	30	12½	30	H	1725	O	1½	1—3	230/220/208	.....	..	12	----	----	----	----	251
W151M22, C	.....	30	17½	30	H	1725	O	1½	1—3	230/220/208/440	.....	..	22	----	----	----	----	156
W151VL22, C	.....	30	17½	30	H	1725	O	1½	1—3	230/220/208/440	.....	..	22	----	----	----	----	251
W201M12, C	.....	30	17½	30	H	1725	O	2	1—3	230/220/208/440	.....	..	12	----	----	----	----	260
W201VL12, C	.....	30	17½	30	H	1725	O	2	1—3	230/220/208/440	.....	..	12	----	----	----	----	296
W201M22, C	.....	30	19	30	H	1725	O	2	1-2-3	230/220/208/440	.....	..	22	----	----	----	----	260
W201VL22, C	.....	30	17½	30	H	1725	O	2	1-2-3	230/220/208/440	.....	..	22	----	----	----	----	260
W301M12, C	.....	37	19	34	H	1725	O	3	1-2-3	230/220/208/440	.....	..	12	----	----	----	----	340
W301VL12, C	.....	37	17½	34	H	1725	O	3	1-2-3	230/220/208/440	.....	..	12	----	----	----	----	365
W301M22, C	.....	37	19	34	H	1725	O	3	1-2-3	230/220/208/440	.....	..	22	----	----	----	----	400
W301VL22, C	.....	37	19	34	H	1725	O	3	1-2-3	230/220/208/440	.....	..	22	----	----	----	----	340
W501M12, C	.....	37	19¼	34	H	1725	O	5	1-2-3	230/220/208/440	.....	..	12	----	----	----	----	378
W501M22, C	.....	37	19¼	34	H	1725	O	5	1-2-3	230/220/208/440	.....	..	22	----	----	----	----	353
W501VL22, C	.....	37	19¼	34	H	1725	O	5	1-2-3	230/220/208/440	.....	..	22	----	----	----	----	365
W751M22, C	.....	37	19¼	34	H	1725	O	7½	2—3	220/208/440	.....	..	22	----	----	----	----	400
CW30	54,600	28⅛	23*	37¼	H	1750	O	3	1—3	230/208/220	.....	..	22	----	----	----	----	335
CW50	80,800	28⅛	23*	37¼	H	1750	O	5	1—3	230/208/220	.....	..	22	----	----	----	----	407
CW75	114,300	28⅛	23*	37¼	H	1750	O	7½	3	208/230/440	.....	..	22	----	----	----	----	452
*No Plenum.																		
American Coils Co., Farmingdale, N. J. — "ACI"																		
CW20-H	24,000	45	25	25	SH	1750	C	2	1—3	208/220	2.71	3	12 22	----	----	√	√	350
CW30-H	33,250	45	25	25	SH	1750	C	3	1—3	208/220	3.44	3	12 22	----	----	√	√	388
CW50-H	62,000	45	25	25	SH	1750	C	5	1-2-3	208/220	4.09	4	12 22	----	----	√	√	466
CW75-H	86,200	45	25	25	SH	1750	C	7½	2—3	208/220	6.25	4	12 22	----	----	√	√	560
CW100-H	144,000	57	43½	30¼	SH	1750	C	(2) 5	2—3	208/220	.....	..	12 22	----	----	----	----	1052
CW150-H	172,400	57	43½	30¼	SH	1750	C	(2) 7½	2—3	208/220	.....	..	12 22	----	----	----	----	1240
American-Standard Corp., Air Conditioning Div., 40 West 40th St., New York, N. Y. — "American-Standard"																		
HCA-2*	25,680	25	38⅝	21½	H	1725	T	2	1	230	2.11	3	22	‡	‡	‡	‡	350
HCA-3*	38,020	25	38⅝	21½	H	1725	T	3	1	230	2.53	4	22	‡	‡	‡	‡	385
HCA-5*	62,900	42	46¼	23½	H	1725	**	5	1	230	5.93	3	22	‡	‡	‡	‡	695
HCA-2H*	24,180	43⅞	23	23	H	1725	T	2	1	230	2.11	2	22	‡	‡	‡	‡	378
HCA-3H*	36,040	43⅞	23	23	H	1725	T	3	1	230	2.53	3	22	‡	‡	‡	‡	410
*Also available in 3 phase. **York. ‡Used with furnace.																		
Bard Mfg. Co., Evansport Rd., Bryan, Ohio — "Bard"																		
AF201	28,350	55	28	24	SH	.....	C	2	1	230	2.1	3	12	√	√	√	√	600
AF301	42,525	55	28	24	SH	.....	C	3	1	230	2.96	3	12	√	√	√	√	760
AF501	70,900	60	33	24	SH	.....	C	5	1—3	230/220	3.88	4	12	√	√	√	√	850
Kauffman Air Conditioning Co., 4505 Olive St., St. Louis, Mo. — "Kauffman"																		
21.VW	24,760	20	53	26	H	1750	T	2	..	230	.....	..	22	----	----	----	----	520
31.VW	38,650	20	53	26	H	1750	T	3	..	230	.....	..	----	----	----	----	----	540
51.VW	65,800	22	66	26	H	1750	T	5	..	230	.....	..	----	----	----	----	----	630

WATER COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.)
Cobell Industries, Inc., Meacham Field, P. O. Box 1157, Fort Worth, Texas — "Rangaire"																		
572	26,700	23⅝	27¾	57⅛	SH	1750	C	2	1	230	.....	..	12	√	√	√	....	400
573	38,200	23⅝	27¾	57⅛	SH	1750	C	3	1—3	230/220	.....	..	12	√	√	√	....	500
574	52,200	23⅝	27¾	57⅛	SH	1750	C	5	1—3	230/220	.....	..	12	√	√	√	....	560
575	66,000	23⅝	33¼	61⅛	SH	1750	C	5	1—3	230/220	.....	..	12	√	√	√	....	610
578	92,000	47½	27¾	57⅛	SH	1750	C	7½	3	220	.....	..	12	√	....	√	....	923
5710	131,500	47½	33¼	61⅛	SH	1750	C	10	3	220	.....	..	22	√	....	√	....	950
E-573	38,700	23⅝	27¾	57⅛	SH	1750	C	3	1—3	230/220	.....	..	22	√	√	√	....	515
E-574	58,700	23⅝	27¾	57⅛	SH	1750	C	4	1—3	230/220	.....	..	22	√	√	√	....	524
E-575	64,700	23⅝	33¼	61⅛	SH	1750	C	4	1—3	230/220	.....	..	22	√	√	√	....	574
E-578	94,300	47½	33¼	61⅛	SH	1750	C	7½	3	220	.....	..	22	√	....	√	....	860
Airtemp Div., Chrysler Corp., 1600 Webster St., Dayton, Ohio — "Airtemp"																		
1303-4‡	.....	35	35½	19¾	H	1750	O	3	1	230	.....	..	22	√	√	√	√	.....
1305-2‡‡	.....	48⅞	35½	19¾	SH	1750	O	5	1	230	.....	..	12	√	√	√	√	.....
1308-2‡‡	.....	48⅞	35½	19¾	SH	1750	O	7½	2	220	.....	..	22	√	....	√	√	.....
1311‡‡	.....	58	35½	28	SH	3500	O	10	2	220	.....	..	22	....	....	....	√	.....
1315‡‡	.....	58	35½	28	SH	3500	O	15	2	220	.....	..	22	....	....	....	√	.....
2103-1	198,000	*	*	*	SH	1750	O	15	**	**	.....	..	12	....	....	....	....	1735
2105-1	331,000	*	*	*	SH	1750	O	25	**	**	.....	..	12	....	....	....	....	2350
2107-1	461,000	*	*	*	SH	1750	O	40	**	**	.....	..	12	....	....	....	....	2625
2108-1	529,000	*	*	*	SH	1750	O	40	**	**	.....	..	12	....	....	....	....	3400
2110-1	660,000	*	*	*	SH	1750	O	50	**	**	.....	..	12	....	....	....	....	3875
2112-1	791,000	*	*	*	SH	1750	O	60	**	**	.....	..	12	....	....	....	....	4400
2114-1	922,000	*	*	*	SH	1750	O	75	**	**	.....	..	12	....	....	....	....	4950
2203-1	321,000	*	*	*	SH	1750	O	25	**	**	.....	..	22	....	....	....	....	1854
2205-1	534,000	*	*	*	SH	1750	O	40	**	**	.....	..	22	....	....	....	....	2590
2207-1	746,000	*	*	*	SH	1750	O	60	**	**	.....	..	22	....	....	....	....	2775
2208-1	855,000	*	*	*	SH	1750	O	75	**	**	.....	..	22	....	....	....	....	3500
2210-1	1,068,000	*	*	*	SH	1750	O	100	**	**	.....	..	22	....	....	....	....	4113
2212-1	1,284,000	*	*	*	SH	1750	O	100	**	**	.....	..	22	....	....	....	....	4855
2214-1	1,495,000	*	*	*	SH	1750	O	125	**	**	.....	..	22	....	....	....	....	5294
Carrier Corp., 300 S. Geddes St., Syracuse, N. Y. — "Carrier"																		
6T33	3180*	28¼	17⅝	14¼	SH	1750	C	⅓	1	115	.....	..	12	....	....	....	....	125
6T50	6440*	28¼	17⅝	14¼	SH	1750	C	½	3	220	.....	..	12	....	....	....	....	133
6T75	9825*	26½	17⅝	17⅛	SH	1750	C	¾	3	220	.....	.	12	....	....	....	....	160
6T10	13,000*	28¼	16⅞	18¾	SH	1750	C	1	3	220	.....	..	12	....	....	....	....	180
6T15	17,900*	28¼	16⅞	18¾	SH	1750	C	1½	3	220	.....	..	12	....	....	....	....	196
6D21	27,950*	24⅝	21⅜	12	SH	1750	O	2	3	220	.....	..	12	....	....	....	....	181
6D40	36,875*	28⅞	22⅛	14	SH	1750	O	3	3	220	.....	..	12	....	....	....	....	247
6D28	36,850*	28⅞	21⅜	12	SH	1750	O	3	3	220	.....	..	22	....	....	....	....	190
6D47	67,050*	28⅛	27⅞	14	SH	1750	O	5	3	220	.....	..	12	....	....	....	....	294
6D48	105,250*	39⅛	27⅞	14	SH	1750	O	7½	3	220	.....	..	22	....	....	....	....	330
6D68	120,600*	37⅞	31⅜	15½	SH	1750	O	10	3	220	.....	..	22	....	....	....	....	474
Meyer Furnace Co., 1300 S. Washington, Peoria, Ill. — "Meyer"																		
HC2-2	25,770	19	49	29	H	.....	T	2	1—3	230	.....	4	22	√	....	....	....	325
HC2-3	37,450	19	49	29	H	.....	T	3	1—3	230	.....	4	22	√	....	....	....	350
HC2-5	65,800	21	49	39	H	.....	T	5	1—3	230	.....	4	22	√	....	....	....	525
HC2-21	25,770	19	64	29	H	.....	T	2	1—3	230	.....	4	22	√	....	....	√	355
HC2-31	37,450	19	64	29	H	.....	T	3	1—3	230	.....	4	22	√	....	....	√	375
HC2-51	65,800	21	69	39	H	.....	T	5	1—3	230	.....	4	22	√	....	....	√	575
Perfection Industries, Div. of Hupp Corp., 1135 Ivanhoe Rd., Cleveland, Ohio — "Perfection"																		
PW83	96,000	37	24	22½	SH	1750	C	7½	3	208/220	.....	..	22	....	....	....	√	530
PW103	130,500	52	37	27	SH	1750	C	10	3	208/220	.....	..	22	....	....	....	√	730
PW153	192,000	62	44	35	SH	1750	C	(2) 7½	3	208/220	.....	..	22	....	....	....	√	1180
PW203	261,000	62	44	35	SH	1750	C	(2)10	3	208/220	.....	..	22	....	....	....	√	1225
PW253	288,000	62	44	35	SH	1750	C	(3) 7½	3	208/220	.....	..	22	....	....	....	√	1945
PW303	391,500	84	44	45	SH	1750	C	(3)10	3	208/220	.....	..	22	....	....	....	√	1727
PW403	522,000	84	44	45	SH	1750	C	(4)10	3	208/220	.....	..	22	....	....	....	√	2650

*Not Furnished. **As Required. ‡Also available in 3 phase. ‡‡Also available in 2 and 3 phase.

*40 F Suction, 105 F Condensing.

WATER COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available: Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.)
Typhoon Air Conditioning Co., Div. of Hupp Corp., 505 Carroll St., Brooklyn, N. Y. — "Typhoon"																		
H-46-HS	42,000	37	24	22½	H	1750	T	3	3	208/220	3.36	4	22	√	....	√	√	375
H-66-HS	71,500	37	24	22½	SH	1750	C	5	3	208/220	5.75	4	22	√	....	√	√	525
H-86-HS	96,000	37	24	22½	SH	1750	C	7½	3	208/220	6.21	6	22	√	....	√	√	560
116-HS	130,500	52	37	27	O	800	T	10	3	208/220	7.87	5	12	....	....	....	√	1050
H-116-HS	130,500	52	37	27	H	1750	C	10	3	208/220	7.87	5	22	....	....	....	√	1130
166-HS	202,000	62	44	35	O	570	T	15	3	208/220	13.0	5	12	....	....	....	√	1685
H-166-HS	192,000	62	44	35	H	1750	C	(2) 7½	3	208/220	13.0	5	22	....	....	....	√	1220
H-216-HS	274,000	62	44	35	H	1750	C	(2)10	3	208/220	13.0	6	22	....	....	....	√	1270
266-HS	327,000	62	44	35	O	1400	*	25	3	208/220	13.0	8	12	....	....	....	√	1990
H-266-HS	288,000	62	44	35	H	1750	C	(3) 7½	3	208/220	13.0	8	22	....	....	....	√	1890
H-316-HS	411,000	84	44	45	H	1750	C	(3)10	3	208/220	21.0	6	22	....	....	....	√	2245
416-HS	528,000	84	44	45	O	890	**	40	3	208/220	21.0	8	12	....	....	....	√	2650
H-416-HS	522,000	84	44	45	H	1750	C	(4)10	3	208/220	21.0	8	22	....	....	....	√	2550

*Schnacke. **Brunner.

AIR COOLED PACKAGED AIR CONDITIONERS

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Evap. Blower Motor No.	HP	Condenser Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Cond. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Net Wt. (lb.)
August G. Barkow Mfg. Co., Inc., 2230 South 43rd St., Milwaukee, Wis. — "Weatherwise"																											
CK2-A	24,000	31	62	21	H	1725	T	2	1	230	1	800	650	1	⅓	1	2400	650	1	½	2.66	4	3.33	6	22	4	470
CK3-A	36,000	31	62	21	H	1725	T	3	1—3	230/ 208/220	1	1200	650	1	⅓	1	2400	650	1	½	2.66	4	3.33	6	22	6	490
CK5-A	60,000	33	68	28	SH	1740	C	5	1—3	230/ 208/220	1	2000	650	1	⅓	1	4800	700	1	¾	4.12	4	7.33	3	12	10½	901
CK75-A	90,000	46⅛	97⅛	27¾	SH	1750	C	7½	3	208/220	2	3000	618	1	¾	2	8600	700	2	¾	6.60	4	14.66	3	22	18	1360
RO3-A	36,000	34¾	23½	29½	H	1725	T	3	1—3	230/ 208/220	..	.....	.....	..	....	1	2400	650	1	½	2.21	4	3.33	6	22	1½	470
RO5-A	60,000	40½	60¼	26½	H	1740	T	5	1—3	230/ 208/220	..	.....	.....	..	....	1	4800	700	1	¾	4.62	4	7.33	6	22	2	.....
Cool-Ette, Inc., 20080 James Couzens Highway, Detroit, Mich. — "Ranch-Aire"																											
175AH	19,250	30⅛	18⅞	39⅛	H	1725	T	2	1	230	1	750	1140	..	**	1	1200	1140	1	⅓	1.78	4	2.25	4	22	4.4	249
301AH*	34,000	30⅛	28	49⅛	H	1725	T	3	1	230	1	1200	1140	1	¼	1	2000	1140	1	⅓	3.06	4	4.04	4	22	5.9	399
*Also available in 3 phase. **Same as condenser.																											
O. A. Sutton Corp., Inc., 1812 W. Second St., Wichita, Kan. — "Vornado"																											
B200B-2	23,500	29½	20¾	39⅝	H	1725	T	(2)1	1	230	1	785	1120	1	⅓*	1	.....	1120	..	....	1.9	3	3.6	3	22	3¼	343
B350C-2	39,000	36¼	24½	47⅜	H	1725	T	(2)1¼	1	230	2	1505	1120	1	⅓	1	.....	1120	1	¼	2.7	4	5.4	4	22	5⅝	508
*For evaporator and condenser.																											
Lennox Industries, Inc., Marshalltown, Iowa — "Lennox"																											
CHA4-201	22,000	30⅛	22	42	H	1725	BW	2	1	230	1	800	1080	1	⅓**	1	1872	1080	1	⅓**	1.87	4	3.75	3	22	4⅛	450
CHA4-301	34,000	38⅛	28	51⅜	H	1725	T	3	1	230	1	1200	718-1909	1	¼	1	3380	805	1	⅓	2.69	4	5.93	3	22	7¼	650
CHA3-501*	58,000	58⅜	28	66⅞	SH	1725	T-C	5	1	230	1	2000	542-740	1	½	1	4650	316-432	1	¾	4.7	4	9.88	3	22	.....	1025
*Also available in 3 phase. **Uses same motor for Evap. Blower & Cond. Power Prop.																											
Kool Engineering Corp., 3716 Belmont Ave., Chicago, Ill. — "Kool Kastle"																											
2BTA	24,000	29	22	29	H	1800	T	2	1	220	1	790	1000	1	¼	1	2500	1125	1	⅛	2.92	2	8.94	1	22	5	240
3J8A	36,700	29	22	29	H	1800	T	3	1	220	1	1220	700	1	¼	1	2500	1125	1	⅛	4.16	2	9.15	2	22	7	300
Gibson Refrigerator Co., Div. of Hupp Corp., Greenville, Mich. — "Gibson"																											
GO-21A	22,000	29	24	49	H	.....	BW	2	1	230	1	700	1070	1	⅓	1	2000	1075	*	*	1.75	3	3.36	3	22	.....	320
GO-31A	35,000	29	24	49	H	.....	BW	(2)1¾	1	230	1	1100	1450	1	¼	1	2600	1075	1	¼	2.33	4	3.78	4	22	.....	520
GO-50	50,000	36	30	64	H	.....	BW	(2)2½	1	230	1	1700	.....	1	½	1	3700	1725	1	⅓	3.61	4	6.22	4	22	.....	625
*Uses Evaporator Blower Motor.																											

AIR COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Evap. Blower Motor No.	HP	Condenser Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Cond. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Net Wt. (lb.)
General Electric Co., Home Heating & Cooling Dept., Tyler, Texas — "General Electric"																											
TC24A	24,000	31½	21½	44	H	3450	O	2.65*	1	230	1	800	.....	1	⅛	1	1600	.....	1	⅛	2.0	4	3.3	4	22	7	320
TC37	36,500	31½	25¼	44	H	3450	O	4.42*	1	230	1	1100	.....	1	¼	1	2360	.....	1	¼	2.6	4	4.8	4	22	8	370
*Air cooled units rated in Kilowatts.																											
A. Brown Products Corp., 97 - 12 Metropolitan Ave., Forest Hills, N. Y.																											
201-OH	21,000	38⅛	16⅛	30⅛	H	1725	T	2	1	230	1	750	1140	..	....	1	1200	1140	1	⅓	1.78	4	2.25	4	22	4.4	249
301-OH*	34,000	48⅛	26⅞	30⅛	H	1725	T	3	1	230	1	1200	1140	1	¼	1	2000	1140	1	⅓	3.07	4	4.0	4	22	6	399
*Also available in 3 phase.																											
Armstrong Furnace Co., Div. of National Union Electric Corp., 851 W. Third Ave., Columbus, Ohio — "Armstrong"																											
42-R10-21	19,000	27	25¹¹⁄₁₆	51	H	1750	T	1¾	1	230	1	800	1050	1	⅛	1	1500	850	1	⅛	1.83	3	3.66	3	22	3.6	358
42-R10-31	35,100	33½	27⅜	52⅛	H	1750	T	3	1	230	1	800	Var.	1	⅓	1	2600	550	1	¼	3.66	3	5.5	3	22	7.5	445
Thatcher Furnace Co., Center St., Garwood, N. J. — "Thatcher"																											
PAC21	21,000	30	18	38	H	1725	T	1¾	1	230	1	750	1140	1	***	1	1200	1140	1	⅓	1.78	4	2.25	4	22	70**	250
PAC31*	34,000	30⅛	28	48⅛	H	1725	T	3	1	230	1	1200	1140	1	¼	1	2000	1140	1	⅓	3.05	4	4.04	4	22	95**	400
*Also available in 3 phase. **Listed in ounces. ***Dual.																											
Mercury Div., Lord & Palmer, Inc., Belding, Mich. — "Mercury"																											
MS-21	22,000	29½	20¾	39⅝	H	1725	T	2	1	208/230	1	900	1125	1	⅓	1	1650	1125	1	⅓	1.9	3	3.6	3	22	50.2*	343
MS-41	36,000	36¼	24½	47⅜	H	1725	T	4	1	208/230	2	1505	1125	1	⅓	1	2450	1125	1	¼	2.7	4	5.4	4	22	86.0*	508
*Listed in ounces.																											
Whirlpool Corp., St. Joseph, Mich. — "RCA Whirlpool"																											
R6200-3	17,300	44	20¾	29⅝	H	1725	T	1¾	1	230	1	660***	1050	1	⅓	1	970***	1050	•	•	....	3	....	3	22	2⅜	225
RS7200-3	17,500	29¹³⁄₁₆	23	32⅛	H	1725	T	1¾	1	230	1	645**	1050	1	⅓	1	900	1050	•	•	....	3	....	3	22	.....	225
*Double End Shaft on Evap. **At 0.3" External Static. ***At 0.2" External Static.																											
Lonergan Mfg. Div. McGraw-Edison Co., Albion, Mich. — "Coolerator"																											
H2A21	21,000	26	17⅝	36	H	1725	T	2	1	230	1	800	1650	1	⅓	1	1100	1650	1	⅓	1.5	4	2.2	5	22	.....	234
H3A21*	30,000	36⅝	26⅝	40¼	H	1725	T	3	1	230	1	1250	1650	1	⅓	1	2000	1650	1	¾	2.54	3	4.06	3	22	.....	478
H4A21	40,000	36¾	26½	48⅛	H	1725	T	(2)2	1	230	1	1625	1050	1	⅓	1	2600	1100	1	½	3.5	5	4.0	5	22	.....	506
*Also available in 3 phase.																											
Century Engineering Corp., 401 Third St., S. E., Cedar Rapids, Iowa — "Century Coolpak"																											
A-200	22,000	24	21	40½	H	.....	T	(2)1	1	230	1	.....	1725	1	⅓	1	900	1725	1	⅓	....	..	....	..	22	3	343
A-350	36,000	32	24½	48⅞	H	.....	T	(2)1¾	1	230	1	.....	1725	1	⅓	2	1500	600	1	⅓	....	..	....	..	22	5	508
McGraw-Edison Co., Lonergan Coolerator Div., Albion, Mich. — "Manning-Bowman"																											
MH2A21	21,000	26	17⅝	36	H	1725	T	2	1	230	1	800	1650	1	⅓	1	1100	1650	1	⅓	1.5	4	2.2	5	22	.....	234
MH3A21*	30,000	36⅝	26⅝	40¼	H	1725	T	3	1	230	1	1250	1650	1	⅓	1	2000	1650	1	¾	2.54	3	4.06	3	22	.....	478
MH4A21	40,000	36¾	26½	48⅛	H	1725	T	(2)2	1	230	1	1625	1050	1	⅓	1	2600	1100	1	½	3.5	5	4.0	5	22	.....	506
*Also available in 3 phase.																											
American Blower Div., American-Standard, 8111 Tireman Ave., Detroit, Mich. — "American Blower"																											
5CA8	53,000	42	85¾	24	SH	1750	*	5	1—3	230/208 220/440	1	2000	787	1	¾	1	3500	540	1	¾	4.93	3	8.16	4	22	20†	1070‡
8CA8	78,000	50	87¾	30	SH	1750	*	7½	3	208/ 220/440	1	3000	623	1	1	2	4900	645	1	¾	7.30	3	10.9	4	22	28†	1450‡
10CA8	105,000	66	87¾	30	SH	1750	*	10	3	208/ 220/440	2	4000	662	1	2	2	7700	625	1	1½	10.08	3	13.0	4	22	36†	1920‡
10DA8	106,000	66	87¾	30	SH	1750	*	(2)5	3	208/ 220/440	2	4000	662	1	2	1	3500	540	1	¾	10.08	3	8.16	4	22	40**	2000‡
15DA8	156,000	84	96	31¼	SH	1750	*	(2)7½	3	208/ 220/440	2	6000	574	1	3	2	4900	645	1	¾	14.68	3	10.9	4	22	56**	2660‡
20DA8	210,000	108	96	31¼	SH	1750	*	(2)10	3	208/ 220/440	3	8000	594	1	5	2	7700	625	1	1½	19.33	3	13.0	4	22	72**	3500‡
*Carrier †With 25 feet of liquid line. **Half in each circuit. ‡Excludes weight of condensers.																											
Peerless Corp., 1853 Ludlow, Indianapolis, Ind. — "Clima-Pac"																											
HA-223-1	22,000	29⅛	23⅞	43½	H	1725	BW	2	1	230	1	800	.....	1	½	1	2200	1075	1	½	1½	3	3.9	3	22	.....	320
HA-363-1	36,000	29⅛	23⅞	43½	H	1725	T	3½	1	230	1	1200	.....	1	½	1	2200	1075	1	¼	2	4	3.9	5	22	.....	450

WATER COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH (ASRE)	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available: Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.)
Typhoon Air Conditioning Co., Div. of Hupp Corp., 505 Carroll St., Brooklyn, N. Y. — "Typhoon"																		
H-46-HS	42,000	37	24	22½	H	1750	T	3	3	208/220	3.36	4	22	√	....	√	√	375
H-66-HS	71,500	37	24	22½	SH	1750	C	5	3	208/220	5.75	4	22	√	....	√	√	525
H-86-HS	96,000	37	24	22½	SH	1750	C	7½	3	208/220	6.21	6	22	√	....	√	√	560
116-HS	130,500	52	37	27	O	800	T	10	3	208/220	7.87	5	12	....	....	....	√	1050
H-116-HS	130,500	52	37	27	H	1750	C	10	3	208/220	7.87	5	22	....	....	....	√	1130
166-HS	202,000	62	44	35	O	570	T	15	3	208/220	13.0	5	12	....	....	....	√	1685
H-166-HS	192,000	62	44	35	H	1750	C	(2) 7½	3	208/220	13.0	5	22	....	....	....	√	1220
H-216-HS	274,000	62	44	35	H	1750	C	(2)10	3	208/220	13.0	6	22	....	....	....	√	1270
266-HS	327,000	62	44	35	O	1400	*	25	3	208/220	13.0	8	12	....	....	....	√	1990
H-266-HS	288,000	62	44	35	H	1750	C	(3) 7½	3	208/220	13.0	8	22	....	....	....	√	1890
H-316-HS	411,000	84	44	45	H	1750	C	(3)10	3	208/220	21.0	6	22	....	....	....	√	2245
416-HS	528,000	84	44	45	O	890	**	40	3	208/220	21.0	8	12	....	....	....	√	2650
H-416-HS	522,000	84	44	45	H	1750	C	(4)10	3	208/220	21.0	8	22	....	....	....	√	2550

*Schnacke. **Brunner.

AIR COOLED PACKAGED AIR CONDITIONERS

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Evap. Blower Motor No.	HP	Condenser Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Cond. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Net Wt. (lb.)
August G. Barkow Mfg. Co., Inc., 2230 South 43rd St., Milwaukee, Wis. — "Weatherwise"																											
CK2-A	24,000	31	62	21	H	1725	T	2	1	230	1	800	650	1	⅓	1	2400	650	1	½	2.66	4	3.33	6	22	4	470
CK3-A	36,000	31	62	21	H	1725	T	3	1—3	230/208/220	1	1200	650	1	⅓	1	2400	650	1	½	2.66	4	3.33	6	22	6	490
CK5-A	60,000	33	68	28	SH	1740	C	5	1—3	230/208/220	1	2000	650	1	½	1	4800	700	1	¾	4.12	4	7.33	3	12	10½	901
CK75-A	90,000	46⅞	97⅛	27¾	SH	1750	C	7½	3	208/220	2	3000	618	1	¾	2	8600	700	2	¾	6.60	4	14.66	3	22	18	1360
RO3-A	36,000	34¾	23½	29½	H	1725	T	3	1—3	230/208/220	..	.....	.....	..	....	1	2400	650	1	½	2.21	4	3.33	6	22	1½	470
RO5-A	60,000	40½	60¼	26½	H	1740	T	5	1—3	230/208/220	..	.....	.....	..	....	1	4800	700	1	¾	4.62	4	7.33	6	22	2	.....
Cool-Ette, Inc., 20080 James Couzens Highway, Detroit, Mich. — "Ranch-Aire"																											
175AH	19,250	30⅛	18⅞	39⅛	H	1725	T	2	1	230	1	750	1140	..	**	1	1200	1140	1	⅓	1.78	4	2.25	4	22	4.4	249
301AH*	34,000	30⅛	28	49⅛	H	1725	T	3	1	230	1	1200	1140	1	¼	1	2000	1140	1	⅓	3.06	4	4.04	4	22	5.9	399
*Also available in 3 phase. **Same as condenser.																											
O. A. Sutton Corp., Inc., 1812 W. Second St., Wichita, Kan. — "Vornado"																											
B2008-2	23,500	29½	20¾	39⅝	H	1725	T	(2)1	1	230	1	785	1120	1	⅓*	1	.....	1120	..	....	1.9	3	3.6	3	22	3¼	343
B350C-2	39,000	36¼	24½	47⅜	H	1725	T	(2)1¾	1	230	2	1505	1120	1	⅓	1	.....	1120	1	¼	2.7	4	5.4	4	22	5⅛	508
*For evaporator and condenser.																											
Lennox Industries, Inc., Marshalltown, Iowa — "Lennox"																											
CHA4-201	22,000	30⅛	22	42	H	1725	BW	2	1	230	1	800	1080	1	⅓**	1	1872	1080	1	⅓**	1.87	4	3.75	3	22	4⅛	450
CHA4-301	34,000	38⅝	28	51⅜	H	1725	T	3	1	230	1	1200	718-1909	1	¼	1	3380	805	1	⅓	2.69	4	5.93	3	22	7¼	650
CHA3-501*	58,000	58⅛	28	66⅞	SH	1725	T-C	5	1	230	1	2000	542-740	1	½	1	4650	316-432	1	¾	4.7	4	9.88	3	22	.....	1025
*Also available in 3 phase. **Uses same motor for Evap. Blower & Cond. Power Prop.																											
Kool Engineering Corp., 3716 Belmont Ave., Chicago, Ill. — "Kool Kastle"																											
2BTA	24,000	29	22	29	H	1800	T	2	1	220	1	790	1000	1	¼	1	2500	1125	1	⅛	2.92	2	8.94	1	22	5	240
3JBA	36,700	29	22	29	H	1800	T	3	1	220	1	1220	700	1	¼	1	2500	1125	1	⅛	4.16	2	9.15	2	22	7	300
Gibson Refrigerator Co., Div. of Hupp Corp., Greenville, Mich. — "Gibson"																											
GO-21A	22,000	29	24	49	H	.....	BW	2	1	230	1	700	1070	1	⅓	1	2000	1075	*	*	1.75	3	3.36	3	22	.....	320
GO-31A	35,000	29	24	49	H	.....	BW	(2)1¾	1	230	1	1100	1450	1	¼	1	2600	1075	1	¼	2.33	4	3.78	4	22	.....	520
GO-50	50,000	36	30	64	H	.....	BW	(2)2½	1	230	1	1700	.....	1	½	1	3700	1725	1	⅓	3.61	4	6.22	4	22	.....	625
*Uses Evaporator Blower Motor.																											

AIR COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Evap. Blower Motor No.	HP	Condenser Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Cond. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Net Wt. (lb.)
General Electric Co., Home Heating & Cooling Dept., Tyler, Texas — "General Electric"																											
TC24A	24,000	31½	21½	44	H	3450	O	2.65*	1	230	1	800	.....	1	⅛	1	1600	.....	1	⅛	2.0	4	3.3	4	22	7	320
TC37	36,500	31½	25¼	44	H	3450	O	4.42*	1	230	1	1100	.....	1	¼	1	2360	.....	1	¼	2.6	4	4.8	4	22	8	370
*Air cooled units rated in Kilowatts.																											
A. Brown Products Corp., 97-12 Metropolitan Ave., Forest Hills, N. Y.																											
201-OH	21,000	38⅛	16⅛	30⅛	H	1725	T	2	1	230	1	750	1140	..	....	1	1200	1140	1	⅓	1.78	4	2.25	4	22	4.4	249
301-OH*	34,000	48⅛	26⅞	30⅛	H	1725	T	3	1	230	1	1200	1140	1	¼	1	2000	1140	1	⅓	3.07	4	4.0	4	22	6	399
*Also available in 3 phase.																											
Armstrong Furnace Co., Div. of National Union Electric Corp., 851 W. Third Ave., Columbus, Ohio — "Armstrong"																											
42-R10-21	19,000	27	25 1/16	51	H	1750	T	1¼	1	230	1	800	1050	1	⅛	1	1500	850	1	¼	1.83	3	3.66	3	22	3.6	358
42-R10-31	35,100	33½	27 3/16	52⅛	H	1750	T	3	1	230	1	800	Var.	1	⅓	1	2600	550	1	¼	3.66	3	5.5	3	22	7.5	445
Thatcher Furnace Co., Center St., Garwood, N. J. — "Thatcher"																											
PAC21	21,000	30	18	38	H	1725	T	1¾	1	230	1	750	1140	1	***	1	1200	1140	1	⅓	1.78	4	2.25	4	22	70**	250
PAC31*	34,000	30⅛	28	48⅛	H	1725	T	3	1	230	1	1200	1140	1	¼	1	2000	1140	1	½	3.05	4	4.04	4	22	95**	400
*Also available in 3 phase. **Listed in ounces. ***Dual.																											
Mercury Div., Lord & Palmer, Inc., Belding, Mich. — "Mercury"																											
MS-21	22,000	29½	20¾	39⅝	H	1725	T	2	1	208/230	1	900	1125	1	⅓	1	1650	1125	1	⅓	1.9	3	3.6	3	22	50.2*	343
MS-41	36,000	36¼	24½	47 3/16	H	1725	T	4	1	208/230	2	1505	1125	1	⅓	1	2450	1125	1	¼	2.7	4	5.4	4	22	86.0*	508
*Listed in ounces.																											
Whirlpool Corp., St. Joseph, Mich. — "RCA Whirlpool"																											
R6200-3	17,300	44	20¾	29⅝	H	1725	T	1¾	1	230	1	660***	1050	1	⅓	1	970***	1050	*	*	....	3	....	3	22	2⅛	225
RS7200-3	17,500	29 13/16	23	32⅛	H	1725	T	1¾	1	230	1	645**	1050	1	⅓	1	900	1050	*	*	....	3	....	3	22	.....	225
*Double End Shaft on Evap. **At 0.3" External Static. ***At 0.2" External Static.																											
Lonergan Mfg. Div. McGraw-Edison Co., Albion, Mich. — "Coolerator"																											
H2A21	21,000	26	17⅞	36	H	1725	T	2	1	230	1	800	1650	1	⅓	1	1100	1650	1	⅓	1.5	4	2.2	5	22	.....	234
H3A21*	30,000	36⅝	26⅝	40⅛	H	1725	T	3	1	230	1	1250	1650	1	⅓	1	2000	1650	1	¾	2.54	3	4.06	3	22	.....	478
H4A21	40,000	36¾	26½	48⅛	H	1725	T	(2)2	1	230	1	1625	1050	1	⅓	1	2600	1100	1	½	3.5	5	4.0	5	22	.....	506
*Also available in 3 phase.																											
Century Engineering Corp., 401 Third St., S. E., Cedar Rapids, Iowa — "Century Coolpak"																											
A-200	22,000	24	21	40½	H	.....	T	(2)1	1	230	1	.....	1725	1	⅓	1	900	1725	1	⅓	....	..	....	..	22	3	343
A-350	36,000	32	24½	48⅞	H	.....	T	(2)1¾	1	230	1	.....	1725	1	⅓	2	1500	600	1	⅓	....	..	....	..	22	5	508
McGraw-Edison Co., Lonergan Coolerator Div., Albion, Mich. — "Manning-Bowman"																											
MH2A21	21,000	26	17⅞	36	H	1725	T	2	1	230	1	800	1650	1	⅓	1	1100	1650	1	⅓	1.5	4	2.2	5	22	.....	234
MH3A21*	30,000	36⅝	26⅝	40⅛	H	1725	T	3	1	230	1	1250	1650	1	⅓	1	2000	1650	1	¾	2.54	3	4.06	3	22	.....	478
MH4A21	40,000	36¾	26½	48⅛	H	1725	T	(2)2	1	230	1	1625	1050	1	⅓	1	2600	1100	1	½	3.5	5	4.0	5	22	.....	506
*Also available in 3 phase.																											
American Blower Div., American-Standard, 8111 Tireman Ave., Detroit, Mich. — "American Blower"																											
5CA8	53,000	42	85¾	24	SH	1750	*	5	1—3	230/208 220/440	1	2000	787	1	¾	1	3500	540	1	¾	4.93	3	8.16	4	22	20†	1070‡
8CA8	78,000	50	87¾	30	SH	1750	*	7½	3	208/ 220/440	1	3000	623	1	1	2	4900	645	1	¾	7.30	3	10.9	4	22	28†	1450‡
10CA8	105,000	66	87¾	30	SH	1750	*	10	3	208/ 220/440	2	4000	662	1	2	2	7700	625	1	1½	10.08	3	13.0	4	22	36†	1920‡
10DA8	106,000	66	87¾	30	SH	1750	*	(2)5	3	208/ 220/440	2	4000	662	1	2	1	3500	540	1	¾	10.08	3	8.16	4	22	40**	2000‡
15DA8	156,000	84	96	31¼	SH	1750	*	(2)7½	3	208/ 220/440	2	6000	574	1	3	2	4900	645	1	¾	14.68	3	10.9	4	22	56**	2660‡
20DA8	210,000	108	96	31¼	SH	1750	*	(2)10	3	208/ 220/440	3	8000	594	1	5	2	7700	625	1	1½	19.33	3	13.0	4	22	72**	3500‡
*Carrier †With 25 feet of liquid line. **Half in each circuit. ‡Excludes weight of condensers.																											
Peerless Corp., 1853 Ludlow, Indianapolis, Ind. — "Clima-Pac"																											
HA-223-1	22,000	29 1/16	23⅞	43½	H	1725	BW	2	1	230	1	800	.....	1	½	1	2200	1075	1	½	1½	3	3.9	3	22	.....	320
HA-363-1	36,000	29 1/16	23⅞	43½	H	1725	T	3½	1	230	1	1200	.....	1	½	1	2200	1075	1	¼	2	4	3.9	5	22	.....	450

AIR COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Evap. Blower Motor No.	HP	Condenser Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Cond. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Net Wt. (lb.)
Trane Co., Second & Cameron Ave., LaCrosse, Wis. — "Self-contained air conditioner"																											
35SA	.....	40⅛	83	22⅛	H	1750	C	3	3	220	2	1400	966	1	¼	1	2700	1140	1	⅓	4.38	2	7.26	*	22	10	590
55SA	.....	40⅛	83	22⅛	H	1750	O	5	3	220	2	2000	1173	1	½	1	4400	1140	1	⅓	5.10	2	9.75	*	22	15	640
75SA	.....	48¼	89¼	24⅛	H	1750	O	7½	3	220	2	3000	978	1	¾	1	6500	1140	1	1	7.50	2	18.7	*	22	20	840
105SA	.....	62¼	95½	29½	H	1750	O	10	3	220	2	4000	1016	1	1½	2	8800	1140	1	1	10	2	19.50	*	22	30	1360
155SA	.....	70¼	104⅝	29½	H	1750	O	15	3	220	2	6000	875	1	2	2	13,000	1140	1	2	15	2	37.40	*	22	40	1820
*Circular																											
Round Oak Co. Inc., Dowagiac, Mich. — "Clima-Pac"																											
HA-223-1	22,000	29⅛	23⅞	43½	H	1725	BW	2	1	230	1	800	.....	1	⅓	1	2200	1075	1	⅓	1½	3	3.9	3	22	.....	320
HA-363-1	36,000	29⅛	23⅞	43½	H	1725	T	3½	1	230	1	1200	.....	1	⅓	1	2200	1075	1	¼	2	4	3.9	5	22	.....	450
Permaglas Div., A. O. Smith Corp., 147 S. Indiana, P. O. Box 28, Kankakee, Ill. — "Permaglas"																											
HAC-20AF-1	18,000	26½	17½	32	H	1725	T	1¾	1	230	1	500	1550	1	¼*	1	800	1550	1	¼*	1.17	4	1.98	4	22	.....	220
HAC-21AF-1	22,000	29	24	43½	H	1725	BW	2	1	230	1	800	1075	1	⅓*	1	1500	1075	1	⅓*	1.5	3	3.36	3	22	.....	320
HAC-36AF-1	36,000	29	24	43½	H	1725	T	(2)1¾	1	230	1	1200	1075	1	⅓	1	2000	1075	1	⅓	2.0	4	3.36	5	22	.....	450
*Same motor used for evaporator & condenser blower.																											
Crane Co., 836 S. Michigan Ave., Chicago, Ill. — "Stowaway"																											
A-200	22,000	29½	21	40½	H	1750	T	(2)1	1	230	1	800	1130	1	⅓	1	.....	1130	*	*	.....	..	.....	..	22	.....	343
A-350	36,000	36½	24	48⅞	H	1750	T	(2)1¾	1	230	2	1400	.....	1	⅓	1	.....	.....	1	¼	.....	..	.....	..	22	.....	508
*Uses same motor as evaporator.																											
Fedders-Quigan Corp., 5201 Flushing Ave., Maspeth, L. I., N. Y. — "Fedders"																											
617AB	21,500	37	17⅜	28⅞	H	1725	T	2	1	230	1	1180	1100	1	⅓	2	.....	1100	*	*	1.36	4	2.28	4	22	2.6	225
830AB-3	33,000	41⅛	20⅛	36½	H	1725	T	3	1—3	230	1	1180	1100	1	½	2	.....	1100	*	*	2.0	4	2.98	4	22	4	350
*Evap. Blower & Condenser Blower on same motor.																											
Southwest Mfg. Co., P. O. Box 151, Aurora, Mo. — "Heatwave"																											
HA-2001	23,100	32	20	58	H	1725	BW	2	1	208/230	1	800	1000	1	⅛	1	2000	1095	1	⅛	2.54	3	8.4	2	22	2.5	380
HA-3001	38,200	32	20	58	H	1725	C	(2)1¾	1	208/230	1	1200	1000	1	¼	1	2900	1095	1	⅛	2.54	4	8.4	2	22	5	455
General Air Conditioning Corp., 4542 E. Dunham St., Los Angeles, Calif.																											
RO26	24,000	30	34	21	H	1725	T	2½	1	220	1	1000	1050	1	⅛	1	1500	1550	1	⅛	1.65	2	5.2	3	22	4	340
RO31NP	37,700	30	39½	25	H	1725	T	3½	1	220	1	1200	1080	1	⅓	1	1900	1050	1	⅓	2.8	4	5.2	3	22	6.2	425
RO525A	65,500	40	56¾	27	H	1725	T	6½	1—3	220	1	2000	650	1	¾	1	3000	550	1	¾	6.4	4	9	4	22	12	720
RO75	98,250	48	74¾	30	H	1725	*	8¾	3	220	1	3200	650	1	1	1	4000	650	1	1	6.3	4	9	6	22	16	1200
RO10	131,000	66	74¾	30	H	1725	T	13	3	220	1	4200	600	1	1½	1	6000	600	1	1½	10	4	12	6	22	24	1730
*York																											
Waterman-Waterbury Co., 1121 Jackson St., N.E., Minneapolis, Minn. — "Waterbury"																											
2HA2	20,000	26¼	16¼	31½	H	1725	T	2	1	230	1	600	1725	1	⅓	1	1400	1725	..	....	2.0	3	2	3	22	.....	250
2HA4	37,000	30	24½	44½	(2)H	1725	T	2	1	230	1	1400	1725	1	¼	..	2300	1050	1	¼	2.63	4	3.97	4	22	.....	485
E. B. Smith, Inc., 1311 Robin Rd., South, St. Petersburg, Fla. — "Royal-Aire"																											
PA2502-1	20,000	35⅞	27⅜	18⅜	H	.....	T	2	1	230	..	.....	.....	..	.....	..	175	.....	..	⅓	1.17	4	2.5	3	22	.....	235
PA20-6	20,400	32⅛	29⅜	23	H	.....	T	2	1	230	..	.....	.....	..	.....	..	.....	.....	..	⅓	1.87	3	3.97	2	22	3	235
PA32-10	32,000	46½	32	24	H	.....	T	3	1	230	..	.....	.....	..	.....	..	.....	.....	..	½	2.8	3	4.6	3	22	5	330
PA40-1	40,000	59½	32	24	H	.....	T	(2)2	1	230	..	.....	.....	..	⅓	..	.....	.....	..	½	2.8	4	4.6	4	22	8⅜	370
Roberts-Gordon Appliance Corp., 44 Central Ave., Buffalo, N. Y. — "Gordonair"																											
200GASC	19,250	30⅛	18⅞	39	H	.....	T	2	1	230	1	750	.....	1	⅓	1	1200	.....	1	⅓	1.77	4	2.25	4	22	4.3	249
301GASC	34,000	30⅛	26⅞	48⅛	H	.....	T	3	1—3	230/220	1	1200	.....	1	¼	1	2000	.....	1	⅓	3.00	4	4.00	4	22	6	399
Carrier Corp., 300 S. Geddes St., Syracuse, N. Y.																											
63D7	31,800	33¼	28½	43⅛	H	1750	O	3	1—3	230/208/220	2	1090	1500	1	¼	2	1400	1700	1	½	2.37	4	4.1	4	C-500	8½	500
Farquhar Co., 230 Owens Ave., Wilmington, Ohio — "Farquar"																											
PAC-3	35,200	32	27	63	H	1750	T	3	1	230	1	1200	600	1	⅓	1	3000	530	1	½	2.25	4	7.0	3	22	6	700
PAC-5	56,700	42	35	72	H	1750	T	5	1	230	1	2000	650	1	½	1	5000	375	1	¾	4.0	4	12.5	3	22	10	925

AIR COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Evap. Blower Motor No.	HP	Condenser Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Cond. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Net Wt. (lb.)
Kauffman Air Conditioning Co., 4505 Olive St., St. Louis, Mo. — "Kauffman"																											
135-RA	19,600	27	25	30	H	1750	T	1¾	..	230	1	.....	.....	..	.....	1	2000	.....	..	....	.....	..	.....	..	22	4½	700
21-RA	32,000	36	24	44½	H	1750	T	2	..	230	1	.....	.....	..	.....	1	1800	.....	..	....	.....	..	.....	..	22	6	847
30-RA	35,000	36	24	44½	H	1750	T	3	..	230	1	.....	.....	..	.....	1	2500	.....	..	....	.....	..	.....	..	22	6	862
51-RA	60,000	41½	28	53	H	1750	T	5	..	230	1	.....	.....	..	.....	1	3500	.....	..	....	.....	..	.....	..	22	10	1153
Bard Mfg. Co., Evansport Rd., Bryan, Ohio — "Bard"																											
175AH	21,000	38	19	30	H	.....	T	2	1	230	1	750	1140	1	½	1	1200	1140	*	*	1.78	4	2.25	4	22	4.38	250
301AH	34,000	48	27	30	H	.....	T	3	1—3	230/220	1	1200	700	1	¼	1	2000	1140	1	½	3.05	4	3.97	4	22	5.95	400
*See evaporator blower.																											
Worthington Corp., Ampere Station, East Orange, N. J. — "Worthington"																											
SAC-40(CD)	32,510	37¼*	82⅞*	21⅜*	SH	1750	O	3	1-2-3	208/220/230/380/440/550	1	1200	650	1	½	1	2200	540	1	½	3.84	3	4.12	3	22	17	1054
SAC-40(CB)	34,700	37¼*	82⅞*	21⅜*	SH	1750	O	3	1-2-3	208/220/230/380/440/550	1	1200	650	1	½	1	3300	490	1	½	3.84	3	6.33	3	22	19	1160
SAC-60(CA)	56,450	48¼*	86*	21⅜*	SH	1750	O	5	1-2-3	208/220/230/380/440/550	1	2000	840	1	½	2	5500	645	1	1	5.22	3	9.16	3	22	24	1370
SAC-80(CB)	88,500	58¼*	88½*	23⅛*	SH	1750	O	7½	2-3	208/220/380/440/550	2	3000	850	1	¾	2	6500	550	1	1½	8.38	3	12.5	5	22	30	1745
*Including Plenum.																											
Mitchell Mfg. Co., Div. of Cory Corp., 3200 W. Peterson Ave., Chicago, Ill. — "Mitchell"																											
OR200	18,500	26¼	16¼	31½	H	1725	T	1¾	1	230	1	550	1075	1	¼	1	700	1075	..	**	2.14	3	2.14	4	22	1.7	215
TA400	37,000	30	24½	42	H	1725	T	(2)1¾	1	208/230	2	1200	1050	1	¼	1	2200	1075	1	½	2.53	4	4.35	3	22	7	435
CA200-1*	22,800	31¼	44¾	24	H	1725	T	2	1—3	230/220	..	.....	.....	..	.....	1	2850	1140	1	⅓	3.06	3	.....	..	22	.....	375
CA300-1*	33,600	31¼	44¾	24	H	1725	T	3	1—3	230/220	..	.....	.....	..	.....	1	3400	1140	1	⅓	3.06	4	.....	..	22	.....	390
CA500-1*	58,600	41	48¼	26¼	H	1725	T	5	1—3	230	..	.....	.....	..	.....	1	5500	1725	1	½	4.45	3	.....	..	22	.....	546
SA200-1*	22,800	31¼	78½	24	H	1725	T	2	1—3	230/220	1	800	730	1	¼	1	2850	1140	1	⅓	3.06	3	.....	..	22	.....	465
SA300-1*	33,600	31¼	78½	24	H	1725	T	3	1—3	230/220	1	1200	810	1	½	1	3400	1140	1	⅓	3.06	4	.....	..	22	.....	491
SA500-1*	58,600	41	86¼	26¼	H	1725	T	5	1—3	230/220	2	2000	780	1	¼	1	5500	1725	1	½	4.45	3	.....	..	22	.....	723
*Air cooled packaged units (vertical) **See evaporator motor.																											
American-Standard Corp., Air Conditioning Div., 40 West 40th St., New York, N. Y. — "American-Standard"																											
ACP-20	23,500	39⅝	20¾	29½	H	1725	T	(2)1	1	230	1	860	1120	1	½	1	1650	1120	*	*	1.9	3	3.6	3	22	3.14	343
ACP-35	39,000	47⅝	24¼	36¼	H	1725	T	(2)1¾	1	230	2	1505	1120	1	½	1	2450	1075	1	¼	2.7	4	5.4	4	22	5.37	508
*Evaporator and condenser use same motor.																											
Airtemp Div., Chrysler Corp., 1600 Webster St., Dayton, Ohio — "Airtemp"																											
1005-3*	50,400	48⅞	90½***	19¾	SH	1750	O	5	1	230	2	2060	720	1	1½	1	3800	420	1	½	5.3	3	9.36	3	12	.....	.....
1008-3**	79,500	48⅞	93½***	19¾	SH	1750	O	7½	2	220	2	3000	1030	1	1	2	6000	450	1	1	5.3	3	14.7	3	22	.....	.....
1011-2**	113,400	58	97***	28	SH	3500	O	10	2	220	2	4060	785	1	1½	2	3800 3800	420 1150	1 1	½ ⅓	7.46	3	18.72	4	22	.....	.....
1015-2**	162,600	58	105***	32	SH	3500	O	15	2	220	2	5950	610	1	2	2	3800	1150	1	⅓	12.08	3	28.05	4	22	.....	.....
1118**	18,000	29½	23¼	36⅛	H	1750	T	2	1	230	1	700	1125	1	½‡	1‡‡	1000	1125	‡	‡	2.52	2	2.83	4	22	3½	300
1103-2**	36,600	45	27⅛	53⅞	H	1750	T	3	1	230	1	1200	1125	1	⅓	1‡‡	1835	1125	1	⅓	3.21	3	4.25	4	22	5.05	592
2520-2	242,000†	96	104	34	SH	3500	O	(2)10	2—3	208/220/440/550	2	8750	480	1	2	†	.....	.....	..	....	17.5	4	.....	..	22	80	3100
2525-2	277,000†	96	104	34	SH	3500	O	(1)10 (1)15	2—3	208/220/440/550	2	10,000	520	1	3	†	.....	.....	..	....	17.5	4	.....	..	22	100	3130
2530-2	312,000†	96	104	34	SH	3500	O	(2)15	2—3	208/220/440/550	2	12,000	590	1	5	†	.....	... .	..	....	17.5	4	.....	..	....	120	3170
*Also available in 2 and 3 phase. **Also available in 3 phase. ***Includes plenum chamber. ‡One motor for both Evap. & Cond. ‡‡Propeller Type Fan. †Unit does not include the condenser. Capacities based on use with Airtemp 7000 series air cooled condensers.																											
Mathes Co., Div. of Glen Alden Corp., 1501 E. Broadway, Fort Worth, Texas — "Mathes"																											
24HAH	24,000	32¼	21½	29½	H	1725	BW	2	1	208/230	1	850	1090	1	½	1	1150	1090	1	½	2.9	3	3.8	3	22	3502	.....
38HAH-1E	36,000	46	26	40	H	1725	T	3.6	1	208/230	1	1300	1000	1	½	1	2500	1000	1	½	3.2	4	5.8	3	22	6.9	505
38HAH-3E	36,000	46	26	40	H	1725	T	3.6	3	208/220	1	1300	1000	1	½	1	2500	1000	1	½	3.2	4	5.8	3	22	6.9	500
62HAH-1E	60,000	52	30	58	H	1725	T	6.2	1	208/230	1	2000	825	1	½	1	5000	800	1	½	3.9	4	9	3	22	12.5	615
62HAH-3E	60,000	52	30	58	H	1725	T	6.2	3	208/220	1	2000	825	1	½	1	5000	800	1	½	3.9	4	9	3	22	12.5	610

AIR COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Evap. Blower Motor No.	HP	Condenser Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Cond. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Net Wt. (lb.)
Ed Friedrich, Inc., 1117 E. Commerce St., San Antonio, Texas — "Floating Air"																											
C301A	31,500 to 35,000*	23 15/16	77 11/16	26 15/16	H	1725	T	3	1	230	1	1200	890	1	1/3	..	.....	.....	..	....	2.43	4	.....	..	22	.....	340
C303A	31,500 to 35,000*	23 15/16	77 11/16	26 15/16	H	1725	T	3	3	220	1	1200	890	1	1/3	..	.....	.....	..	....	2.43	4	.....	..	22	.....	340
C501A	53,500 to 58,000*	42 1/4	85 1/4	29 1/2	SH	1725	C	5	1	230	1	2000	700	1	1/2	..	.....	.....	..	....	4.94	2	.....	..	12	.....	775
C503A	53,500 to 58,000*	42 1/4	85 1/4	29 1/2	SH	1725	C	5	3	220	1	2000	700	1	1/2	..	.....	.....	..	....	4.94	2	.....	..	12	.....	775
C753A	81,500	42 1/4	85 1/4	29 1/2	SH	1725	C	7 1/2	3	220	1	2850	700	1	3/4	..	.....	.....	..	....	5.54	2	.....	..	12	.....	850
*These units are available with two sizes of air-cooled condensers. Capacities are at 95°/80°/50% R. H.																											
Meyer Furnace Co., 1300 S. Washington, Peoria, Ill. — "Meyer"																											
HACH-2	21,000	30	19	38	H	.....	T	2	1	230	..	750	.....	..	1/3*	..	1200	.....	..	1/3*	1.8	4	2.3	4	22	4 3/8	250
HACH-3	34,000	30	25	48	H	.....	T	3	1—3	230	..	1200	.....	..	1/4	..	2000	.....	..	1/3	3.1	4	4.1	4	22	5 15/16	400
*Same Motor.																											
Philco Corp., Tioga & C St., Philadelphia, Pa. — "Philco"																											
AS2081-11	19,700	26 11/32	18 5/16	35 1/8	H	1725	T	2	1	230	1	540	1100	1	1/3	..	800	1100	..	....	1.2	4	2.5	3	22	2 1/8	235
AR2181-10	20,400	29 5/16	23	32 1/16	H	1725	T	2	1	230	1	620	1080	1	1/3	..	1000	1080	..	....	1.9	3	4.0	2	22	2 5/8	242
AR3181-10	32,000	32	24	46 1/2	H	1725	T	3	1	230	1	1180	1080	1	1/4	1	1925	900	1	1/3	2.80	3	6.6	3	22	4 1/8	425
AR4181-10	40,000	32	24	59 1/2	H	1725	T	(2)2	1	230	1	1380	1080	1	1/3	1	2300	710	1	1/3	2.80	4	6.6	4	22	6 3/16	465
Perfection Industries, Div. of Hupp Corp., 1135 Ivanhoe Rd., Cleveland, Ohio — "Perfection Tuckaway"																											
PAS21A	24,000	29 9/32	23 29/32	49 1/8	H	1725	B-W	2	1	230	1	800	1070	..	1/2	1	2000	1075	1	*	1.75	3	3.37	3	22	.....	310
PAS31A	36,000	29 9/32	23 29/32	49 1/8	H	1725	B-W	(2)1 3/4	1	230	1	1200	1450	1	1/4	1	2700	1075	1	1/3	2.33	4	3.8	4	22	.....	515
PAS50	48,000	36	30	64 1/2	H	1725	B-W	(2)2	1	230	1	1700	3450	1	1/2	1	3700	1725	1	1/2	3.61	4	6.05	4	22	.....	620
*Same motor as evaporator.																											
York Corp., Subsidiary of Borg-Warner Corp., Grantley Rd., York, Pa. — "Yorkaire Pathfinder"																											
HCF204 AB-10	17,900	28	17 3/4	36	H	1750	O	1 3/4	1	230	2	600	1700	1	1/4	1	865	1080	1	1/10	1.33	4	.....	4	22	.....	230
P20F-10	23,400	28	21 3/4	45	H	1750	O	(2)1	1	230	1	800	1100	1	1/4	1	1800	1100	1	1/6	1.88	3	.....	3	22	.....	370
P30F-10	36,600	36	24	49	H	1750	O	(2)1 3/4	1	230	1	1200	1100	1	1/3	1	2600	1100	1	1/6	3.06	3	.....	3	22	.....	455
P30F-19	36,630	36	24	49	H	1750	O	(2)1 3/4	1	208	1	1200	1100	1	1/3	1	2600	1100	1	1/6	3.06	3	.....	3	22	.....	455
P30FR-10*	36,600	36	24	49	H	1750	O	(2)1 3/4	1	230	1	1200	1100	1	1/3	1	2600	1100	1	1/6	3.06	3	.....	3	22	.....	455
*Reverse Cycle Model.																											
Burnham Corp., Berger Furnace Div., Fourth & Main St., Belle Vernon, Pa. — "Berger & Burnham"																											
VUH360	17,900	16 1/8	22 1/8	69 5/8	H	1725	T	1 3/4	1	230	1	634	915	1	1/6	1	1600	765	1	1/6	2.04	4	3.83	3	22	6 1/2	667
VUH380	17,900	16 1/8	22 1/8	76 5/8	H	1725	T	1 3/4	1	230	1	845	825	1	1/4	1	1600	765	1	1/6	2.04	4	3.83	3	22	6 1/2	707
VUH3100	22,500	16 1/8	22 1/8	76 1/8	H	1725	T	2	1—3	230/220	1	1055	833	1	1/3	1	1800	815	1	1/4	2.04	4	4.47	3	22	6 1/2	727
VUH3120	33,500	16 1/8	26 1/8	76 1/8	H	1725	T	3	1—3	230/220	1	1275	900	1	1/3	1	1800	815	1	1/3	2.91	4	4.47	3	22	6 1/2	762
VUH3140	33,500	18 1/8	26 1/8	81 1/4	H	1725	T	3	1—3	230/220	1	1480	677	1	1/3	1	2500	615	1	1/3	2.91	4	6.38	3	22	6 1/2	850
Typhoon Air Conditioning Co., Div. of Hupp Corp., 505 Carroll St., Brooklyn, N. Y. — "Typhoon"																											
TAS17	18,000	26 1/2	16 3/4	32 1/4	H	1750	T	2	1	230	1	500	.....	1	1/4	1	800	.....	*	*	.....	..	.....	..	22	.....	205
TAS21	24,000	29 1/16	23 7/8	43 1/2	H	1750	T	2	1	230	1	800	.....	1	1/3	1	2200	.....	*	*	.....	..	.....	..	22	.....	300
TAS31	36,000	29 1/16	23 7/8	43 1/2	H	1750	T	3	1	230	1	1200	.....	1	1/3	1	2200	.....	1	1/4	.....	..	.....	..	22	.....	425
*Same motor as evaporator.																											
Iron Fireman Mfg. Co., 3170 W. 106th St., Cleveland, Ohio — "Iron Fireman"																											
PAC-175	21,000	30 1/8	18 7/8	38 1/8	..	.....	T	2	1	230	..	750	.....	..	1/3	..	1200	.....	..	1/3	.....	4	.....	4	22	4 3/8	235
PAC-301*	34,000	30 1/8	26 7/8	48 1/8	..	.....	T	3	1	230	..	1200	.....	..	1/4	..	2000	.....	..	1/3	.....	4	.....	4	22	5 15/16	375
*Also available in 3 phase.																											
Wright Mfg. Co., 2902 W. Thomas Rd., Phoenix, Ariz.																											
22HPL	24,400	43	30	32	H	1725	T	2	1	230	1	850	1035	1	1/6	1	2400	1050	1	1/4	2.4	3	4.2	4	22	6	402
3RHPI-C	35,600	52	30	37	H	1725	T	(2)1 3/4	..	230	1	1350	1035	1	1/3	1	3600	1050	1	1/2	3	4	6	4	22	9	532
Day & Night Mfg. Co., 855 Anaheim-Puente Rd., Puente, Calif. — "Day & Night"																											
220AC	22,000	29 1/2	20 3/4	39 5/8	H	1725	T	2	1	230	1	860	.....	1	1/3**	1	1650	.....	1	1/3**	.....	..	.....	..	22	3.15	400
340-1AC*	33,500	36 1/8	22 3/4	45 7/8	H	1725	T	3	1	230	1	1040	.....	1	1/6	1	2000	.....	1	1/4	.....	..	.....	..	22	5.75	385
*Also available in 3 phase. **One motor, dual-drive.																											

AIR COOLED PACKAGED AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Evap. Blower Motor No.	HP	Condenser Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Cond. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	(lb.)	Net Wt. (lb.)
Muncie Gear Works, Inc., 700 E. Wyson St., Muncie, Ind. — "Marvair"																											
401X	18,000	46¼	34¾	26	H	1725	T	1.5	1	220	1	600	550	1	⅛	1	2000	1725	1	¼	1.25	4	3.75	2	12	2.8	389
402Y	24,000	46¼	34¾	26	H	1725	T	2.0	1	220	1	800	590	1	⅛	1	2000	1725	1	¼	1.67	4	3.75	3	22	2.75	434
Coleman Co., Inc., 250 N. St. Francis, Wichita, Kans. — "Polar Pak"																											
6211	23,500	30	21	46	H	1725	BW	2	1	230	1	800	1080	1	¼	1	1600	1080	1	¼	1.9	3	3.6	3	22	3.31	315
6212	23,800	30	21	46	H	1725	T	(2)1	1	230	1	800	1080	1	¼	1	1600	1080	1	¼	1.9	3	3.6	3	22	3.10	340
6213A	36,300	34½	21	54½	H	1725	T	(2)1¾	1	230	1	1200	1140	1	⅓	1	2400	1140	1	⅓	2.5	4	4.3	4	22	5.43	490
Bryant Mfg. Co., 2020 Montcalm St., Indianapolis, Ind. — "Bryant"																											
200-556	19,000	29	20¾	29 11/16	H	1725	T	1¾	1	230	1	650	1100	1	⅛	1	800	1100	1	⅛	2.00	2	2.89	4	22	2.4	235
24-556	24,000	30	22	33	H	1725	BW	2	1	230	*	800	1100	1	⅓	1	1400	1100	*	⅓	2.34	3	3.75	3	22	4.0	250
30-556	33,500	36⅛	22¾	46	H	1725	T	3	1	230	1	1050	1100	1	1/6	1	2000	1100	1	¼	2.63	4	4.63	4	22	5.8	365
*Evaporator and Condenser																											
Delco Appliance Div., General Motors Corp., 391 Lyell Ave., Rochester, N. Y. — "Delco"																											
OU-2A	20,050	29 13/16	23	32	H	1728	T	2	1	230	1	620	1050/.3"	1	⅓	1	.....	1050	*	*	1.87	3	3.97	2	22	.....	235
OU-32A	30,500	32	24	46½	H	1728	T	3	1	230	1	1180	1180/.3"	1	¼	1	.....	850	1	½	2.8	3	4.6	3	22	.....	330
*Uses Evaporator Blower Motor																											
International Heater Co., 101 Park Ave., Utica, N. Y. — "International of Utica"																											
AS207	23,500	53	22	34½	H	1725	T	2	1	230	1	800-1000	Var.	1	⅛	1	1700	1000	1	⅛	2.11	3	3.92	2	22	2⅛	435
AS356*	36,000	60	22	34½	H	1725	T	3	1	230	1	1000-1300	Var.	1	¼	1	2100	1000	1	¼	2.53	4	3.92	4	22	4⅛	590
*Also available in 3 phase.																											
Westinghouse Electric Corp., Air Conditioning Div., P. O. Box 510, Staunton, Va. — "Westinghouse"																											
KU-401A	34,000	30	23	54	SH	1750	O	3	1	230	1	1100	Var.	1	¼	2	2250	1150	1	¼	2.4	3	5.3	4	22	5½	580
Therm-Air Mfg. Co., 1000 N. Division St., Peekskill, N. Y. — "Weathertrol"																											
AIR 2	24,600	38	26	38	H	1750	T	2	..	230	1	800	.....	1	¼	1	2000	.....	1	⅓	2.75	4	....	4	22	.....	.....
AIR 3	36,000	38	26	38	H	1750	T	3	..	230	1	1200	.....	1	⅓	1	3000	.....	1	½	2.75	4	....	4	22	.....	.....
AIR 5	60,100	52	32	48	H	1750	T	5	..	208/230	1	2000	.....	1	½	1	5000	.....	1	¾	4.13	4	....	4	22	.....	.....
Mueller Climatrol, Div. of Worthington Corp., 2005 W. Oklahoma Ave., Milwaukee Wis. — "Mueller Climatrol"																											
915-21	19,500	26½	20¼	36	H	1750	T	2	1	230	1	800	1075	1	⅓	1	1350	1075	..	....	1.46	4	3.06	3	22	.....	325
915-41	38,150	35½	26⅝	45¼	H	1750	T	(2)2	1	230	1	1200	1075	1	¼	1	2650	1075	1	⅓	2.6	4	5.21	4	22	.....	580
Mayflower Air-Conditioners, Inc., Duluth Ave. & E. Seventh St., St. Paul, Minn. — "Living-Air"																											
AH-175	21,000	30	19	39	H	.....	T	2	1	220	1	750	.....	⅓	..	1	1200	.....	1	⅓	1.67	4	2.25	4	22	.....	249
AH-301*	34,000	27	30	48	H	.....	T	3	1—3	230	1	1200	.....	¼	..	1	2000	.....	1	⅓	3	4	4	4	22	.....	399
*Also available in 3 phase.																											

AIR COOLED CONDENSING UNITS

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
Cool-Ette, Inc., 20080 James Couzens Highway, Detroit, Mich.																							
1RA2	22,500	34	24	43⅜	H	1725	T	2	1	230	1	1750	.....	1	¼	4.5	3	22	√	√	√	√	410
1RA3*	35,300	34	24	43⅜	H	1725	T	3	1	230	1	2600	.....	1	⅓	6.4	3	22	√	√	√	√	440
1RA5*	59,100	41½	28	52	H	1725	T	5	1	230	1	4200	.....	1	½	8.3	4	22	√	√	√	√	620
RP201	22,500	30	33¼	30	H	1725	T	...	1	230	1	1750	530	1	⅛	4.5	3	22	√	√	√	√	264
RP301*	35,300	30	33¼	30	H	1725	T	...	1	230	1	2600	710	1	¼	6.4	3	22	√	√	√	√	292
RP501*	59,100	36	35	36	H	1725	T	...	1	230	1	4200	640	1	½	8.3	4	22	√	√	√	√	454
*Also available in 3 phase.																							

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
Armstrong Furnace Co., Div. of National Union Electric Corp., 851 W. 3rd Ave., Columbus, Ohio — "Armstrong"																							
42-21	19,000	27	25¼	20	H	1750	T	2	1	230	1	1500	825	1	1/6	3.66	3	22	√	√	√	√	205
42-31	35,100	33½	28	22⅛	H	1750	T	3	1	230	1	2600	550	1	1/4	5.2	3	22	√	√	√	√	261
41-33	33,540	40	28½	28	H	1750	T	3	3	208/220	1	2550	550	1	1/3	5.6	4	22	√	√	√	√	438
41-51*	60,000	63¼	29	29	H	1750	T	5	1	230	2	2500 ea.	550	2	1/3 ea.	8.77	4	22	√	....	√	√	740
*Also available in 3 phase.																							
Parce Engineering Co., 607 W. Harrison St., Harlingen, Texas — "Packard"																							
PAR316*	36,800	34	24	40¼	H	1725	T	3	1	230	112	2400	560	46	½	4.5	4	22	....	....	....	....	346
PAR536	60,400	44	27	40¼	H	1725	T	5	3	208/220	116	4000	565	1163	¾	9	4	22	....	....	....	....	525
PAR67**	.....	....	....	.....	..	.....	..	..	.....	.....	208	7800	420	46	½	9	4	12 or 22	....	....	....	....	260
*Also available in 3 phase. **Air cooled condenser. Does not include cabinets or compressor.																							
Westinghouse Electric Corp., Air Conditioning Div., P. O. Box 510, Staunton, Va. — "Westinghouse"																							
AU-301A	22,000	31⅝	24⅛	31⅝	H	1725	T	2	1	230	1	1800	800	1	⅛	5.7	2	22	√	√	√	√	220
AU-401A	32,000	31⅝	27⅛	31⅝	H	1725	T	3	1—3	230/208/220	1	2500	800	1	⅓	7.0	2	22	√	√	√	√	330
AU-452A	36,500	36	40¼	29	SH	1750	O	3	1—3	230/208/220	1	2350	675	1	½	6.8	3	22	√	√	√	√	560
AU-652B	51,500	51½	40¼	30	SH	1750	O	5	1—3	230/208/ 220/440	2	3650	630	1	1	10.4	3	12	√	√	√	√	830
AU-802A	74,500	51½	50¼	30	SH	1750	O	7½	3	208/220/440	2	4800	650	1	1	13.4	3	22	....	....	....	√	920
Therm-Air Mfg. Co., 1000 N. Division St., Peekskill, N. Y. — "Weathertrol"																							
A1R2	24,600	38	26	38	H	1750	T	2	.....	208/220/230	1	2000	.....	1	½	.....	4	22	√	....	√	√	.....
A1R3	36,000	38	26	38	H	1750	T	3	.....	208/220/230	1	3000	.....	1	½	.....	4	22	√	....	√	√	.....
A1R5	60,100	52	32	48	H	1750	T	5	.....	208/220/230	1	5000	.....	1	¾	.....	4	22	√	....	√	√	.....
A1R7½	90,000	68	34	48	SH	1750	C	7½	.....	208/220/440	1	8000	.....	1	1	.....	4	22	....	....	√	√	.....
A1R10	118,000	68	34	60	SH	1750	C	10	.....	208/220/440	2	10,000	.....	1	1½	.....	4*	22	....	....	√	√	.....
A1R15	.....	64	57	30	SH	1750	C	(2)7½	.....	208/220/440	2	14,000	.....	1	2	.....	4*	22	....	....	....	√	.....
A1R20	.....	64	57	30	SH	1750	C	(2)10	.....	208/220/440	2	19,000	.....	1	3	.....	4*	22	....	....	....	√	.....
*Two Sets.																							
Sequoia Mfg. Co., 1090 Brittan Ave., San Carlos, Calif. — "Sequoia"																							
JB200HT	23,200	33¾	20	24½	H	.....	T	2	1—3	230/220	2	.....	1550	2	1/20	4.12	4	22	√	√	√	√	.....
JE300HT	35,200	33¾	20	26½	H	.....	T	3	1—3	230/220	2	.....	1550	2	1/15	4.12	6	22	√	√	√	√	.....
ZR500	56,300	43	28	33⅛	SH	.....	C	5	1—3	230/208/220	2	6160	1725	2	⅓	6.3	8	12	√	√	√	√	.....
Payne Co., La Puente, Calif. — "Payne"																							
30RAC-1*	30,500	32⅜	26⅝	37½	SH	1750	O	3	1	230	1	2000	580	1	⅓	4.95	3	7	√	√	√	√	454
40RAC-1*	40,800	37¾	26⅝	43¼	SH	1750	O	5	1	230	1	3000	475	1	½	6.72	3	12	√	√	√	√	580
50RAC-1*	51,000	37¾	26⅝	49¼	SH	1750	O	5	1	230	1	3200	475	1	½	7.8	3	7	√	√	√	√	621
75RAC-3	76,000	73⅛	28⅝	33⅝	SH	1750	O	7½	3	208/220	2	5600	710	1	1	12.07	3	7	....	....	√	√	937
*Also available in 3 phase.																							
Williamson Co., 3500 Madison Rd., Cincinnati, Ohio — "Wethermatic"																							
6121-02	24,000	48	33	21½	H	1750	BW	2	1	230	1	2200	800	1	¼	6.15	2	22	√	√	√	√	380
6121-25	30,000	48	33	21½	H	1750	T	3	1	230	1	3100	875	1	⅓	6.15	2	22	√	√	√	√	380
6121-03*	36,000	48	33	21½	H	1750	T	3	1	230	1	3800	900	1	⅓	6.15	3	22	√	√	√	√	420
6121-04*	48,000	52	33	29	SH	1750	C	4	1	230	1	5000	850	1	⅓	6.15	4	22	√	√	√	√	630
6121-05*	60,000	53	30	39	H	1750	T	5	1	230	2	3200	875	2	⅓	10.3	3	22	√	√	√	√	800
6141-07	90,000	67	32	39½	SH	1750	C	7½	3	208/220	2	4680	850	2	½	15	3	22	....	....	√	√	1050
6141-10	120,000	67	32	39½	SH	1750	C	10	3	208/220	2	6250	850	2	1	15	4	22	....	....	√	√	1150
*Also available in 3 phase.																							
Bryant Mfg. Co., 2020 Montcalm St., Indianapolis, Ind. — "Bryant"																							
20-530	21,000	22½	27¾	47⅜	SH	1725	O	.....	1	230	1	1765	1100	1	1/12	10.4	1	C-500	√	√	√	√	320
30-531	30,500	36	24⅞	32⅜	SH	1725	O	.....	1—3	230	1	2350	1100	1	¼	4.6	4	C-500	√	√	√	√	330
20-560	21,000	30⅞	21	35¼	SH	1725	O	.....	1—3	230	1	1800	525	1	½	5.0	2	12	√	√	√	√	365
30-560	32,200	30⅞	21	35¼	SH	1725	O	.....	1—3	230	1	1700	500	1	½	5.0	4	C-500	√	√	√	√	405
40-560	42,000	36⅝	26	45⅛	SH	1725	O	.....	1—3	230	1	2000	550	1	½	6.0	4	12	√	√	√	√	525
50-560	54,000	36⅝	26	45⅛	SH	1725	O	.....	1—3	230	1	2475	600	1	¾	8.3	4	C-500	√	....	√	√	565
60-560	63,000	36⅝	27½	47⅜	SH	1725	O	.....	3	230	1	3900	620	1	1	9.7	4	C-500	....	....	√	√	560

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
Thatcher Furnace Co., Center St., Garwood, N. J. — "Thatcher"																							
AC31*	35,300	36	24	44⅜	H	1725	T	H	1	230	1	2500	.....	1	½	6.36	4	22	√	√	√	√	440
AC51*	60,000	41½	28	53	H	1725	T	H	1	230	1	3500	.....	1	½	8.36	4	22	√	√	√	√	590
*Also available in 3 phase.																							
F5 Air Conditioning Corp., 1815 S. Maybelle, Tulsa, Okla. — "Fandaire"																							
30-22-1	23,500	33½**	37½	.....	H	.....	T	2	1	220	1	2400	1140	1	⅛	3.8	5	22	....	....	....	....	380
45-22-1*	34,000	33½**	40	.....	H	.....	T	3	1	220	1	3250	1140	1	⅛	5.7	5	22	....	....	....	....	410
75-22-1*	56,000	38**	40	.....	H	.....	T	5	1	220	1	5280	1140	1	½	10.4	5	22	....	....	....	....	585
75-12-1*	56,000	38**	40	.....	SH	.....	C	5	1	220	..	5280	1140	1	½	10.4	5	12	....	....	....	....	595
112.5-22-3	78,000	38**	51	.....	SH	.....	C	7½	3	220	..	7200	1140	1	¾	12.6	5	22	....	....	....	....	720
150-22-3	116,000	45	57	.....	SH	.....	C	10	3	220	..	11,000	1140	1	1½	20.2	5	22	....	....	....	....	1040
*Also available in 3 phase. **Diameter																							
American Furnace Co., 1300 Hampton Ave., St. Louis, Mo. — "AFCO Comfortmaker"																							
2A1	22,000	27⅞	23¾	26⅞	H	1750	T	2	1	230	1	2000	1050	1	1/10	4.2	2	22	√	√	√	√	.....
3A*	34,000	32½	26¾	32½	H	1750	T	3	1	230	1	3200	800	1	⅛	8.2	3	22	√	√	√	√	.....
4A*	47,500	32½	33¾	32½	H	1750	T	4	1	230	1	3500	800	1	⅛	10.3	3	22	√	√	√	√	.....
5A*	60,000	37	34	37	H	1750	T	5	1	230	1	4400	700	1	⅓	10.0	3	22	√	√	√	√	.....
75A*	84,500	41⅝	43	41⅝	H	1750	T	(1)2 (1)5	1	230	1	6900	700	1	½	11.25	4	22	√	√	√	√	.....
10A*	120,000	37	34	37	H	1750	T	(2)5	1	230	2	8800	700	2	½	20.0	3	22	√	√	√	√	.....
*Also available in 3 phase.																							
International Heater Co., 101 Park Ave., Utica, N. Y. — "International of Utica"																							
AR206	23,500	28	40	28	H	1725	T	2	1	230	1	2800	720	1	⅛	4.0	2	22	....	....	√	√	312
AR256	26,500	32	48	32	H	1725	T	2½	1	230	1	3500	720	1	⅛	5.8	2	22	....	....	√	√	296
AR356*	36,000	32	48	32	H	1725	T	3	1	230	1	3200	720	1	⅛	5.8	3	22	....	....	√	√	420
AR657*	62,500	37	52	37	H	1725	T	5	1	230	1	5000	615	1	½	7.8	4	22	....	....	√	√	630
*Also available in 3 phase.																							
Mayflower Air-Conditioners, Inc., Duluth Ave. & E. Seventh St., St. Paul ,Minn. — "Living-Air"																							
AAC-2	24,000	27	61½	28	H	.....	T	2	1—3	230/220	1	800	.....	1	¼	2	4	22	....	....	....	....	656
AAC-3	36,000	27	61½	28	H	.....	T	3	1—3	230/220	1	1200	.....	1	½	2	4	22	....	....	....	....	676
200RP	22,500	30	30	28	H	.....	T	2	1—3	230/220	1	.....	530	1	⅛	4	4	22	√	√	√	....	264
300RP	35,300	30	30	28	H	.....	T	3	1—3	230/220	1	.....	710	1	¼	2	4	22	√	√	√	....	292
500RP	59,100	36	36	34	H	.....	T	5	1—3	220/230	1	.....	640	1	½	8	4	22	√	√	√	....	454
Hastings Air Conditioning Co., Inc., Hastings, Neb. — "Hastings"																							
CU-2	22,500	30	33	30	H	.....	T	2	1	230	1	.....	1725	1	⅛	23x14x3*		22	√	....	....	√	225
CU-3	35,300	30	33	30	H	.....	T	3	1	230	1	.....	1725	..	¼	23x20x3*		22	√	....	....	√	270
CU-5	59,100	36	35	36	H	.....	T	5	1	230	1	.....	1725	..	⅓	30x20x4¼*		22	√	....	....	√	400
*Two of same.																							
C. A. Olsen Mfg. Co., Elyria, Ohio — "Luxaire"																							
CA-21	22,700	38	32	26	SH	1750	W	2	1	230	1	1400	710	1	½	4.5	3	12	√	....	√	....	505
CA-32*	36,800	38	34½	26	H	1725	T	3	1	230	1	2150	770	1	½	6.8	3	22	√	....	√	....	580
CA-52*	59,800	48	34½	28	H	1725	T	5	1	230	2	3420	800	1	¾	8.8	3	22	√	....	√	....	800
*Also available in 3 phase.																							
Muncie Gear Works, Inc., 700 E. Wyson St., Muncie, Ind. — "Marvair"																							
A4022	24,600	44	28	33¾	H	1725	T	2	1	220	1	2400	500	1	½	3.75	3	22	√	√	√	√	450
A4052*	37,400	44	28	33¾	H	1725	T	3	1	220	1	3000	350	1	½	4.33	4	22	√	√	√	√	580
A4062*	60,800	44	28	41¾	H	1725	T	5	1	220	1	4000	450	1	¾	7.5	3	22	√	√	√	√	700
*Also available in 3 phase.																							
Mueller Climatrol, Div. of Worthington Corp., 2005 W. Oklahoma Ave., Milwaukee, Wis. — "Mueller Climatrol"																							
908-1-51*	54,600	53	38½	27	SH	1750	O	5	1	230	2	5500	Var.	1	1	9.2	3	22	√	√	√	√	755
908-1-73	92,000	67	41¼	31½	SH	1750	O	7½	3	208/220	2	6500	Var.	1	1½	12.5	5	22	√	....	√	√	995
918-21	22,400	24	31	28	H	1750	T	2	1	230	1	1650	1075	1	¼	3.8	3	22	√	√	√	√	275
918-31*	35,700	24	37⅜	28	H	1750	T	3	1	230	1	3200	1075	1	½	8.75	2	22	√	√	√	√	375
918-51*	57,000	34	26⅛	48	H	1750	T	5	1	230	2	4600	1075	2	¼	10.4	3	22	√	√	√	√	510
*Also available in 3 phase.																							

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
Lennox Industries, Inc., Marshalltown, Iowa — "Lennox"																							
HSA2-201	22,000	30 1/16	22 13/16	33 1/4	SH	1725	BW	2	1	230	1	1975	1150	1	1/8	3.75	3	22	√	√	√	√	395
HSA2-753	85,000	67 1/4	33 13/16	35 1/4	SH	1725	C	7 1/2	3	208/220	1	6820	831	1	3/4	12.5	3	22	√	....	√	√	1121
HSA2-1003	114,000	80 15/16 [1]	39 13/16	36 3/4	SH	1725	C	10	3	208/220	1	8800	709	1	1	17.7	3	22	√	....	√	√	1450
HSA3-301*	36,000	48 1/8	24 1/4	33 15/16	SH	1725	T-C	3	1	230	1	2830	466	1	1/3	6.72	3	22	√	√	√	√	500
HSA3-401*	48,000	58 5/16	24 1/4	33 1/4	SH	1725	T-C	4	1	230	1	3200	538	1	1/2	8.45	3	22	√	√	√	√	580
HSA3-501*	58,000	58 5/16	28	37 1/16	SH	1725	T-C	5	1	230	1	4650	449	1	1/2	9.88	3	22	√	√	√	√	750
HSA4-301*	36,000	48	32	29	SH	1725	T-C	3	1	230	1	3150	1080	1	1/8	18.19	1	22	√	√	√	√	390
*Also available in 3 phase.																							
Curtis Mfg. Co., 1905 Kienlen Ave., St. Louis, Mo. — "Curtis"																							
AU-400	34,300	29	29	37	H	1750	T	3	1—3	220/230	1	2440	420	1	1/3	4.75	4	22	√	√	....	√	325
AU-600	59,900	34	29	44	H	1750	T	5	1—3	220/230	1	3570	380	1	1/3	9.50	4	22	√	√	√	√	470
AU-800	84,200	34	38	52	SH	1750	C	7 1/2	3	220	1	6000	400	1	3/4	14.3	4	22	√	√	√	√	670
Kool Engineering Corp., 3716 Belmont Ave., Chicago, Ill. — "Kool Kastle"																							
2BTA	24,000	29	18	29	H	1800	T	2	1	220	1	2500	1125	1	1/6	8.94	1	22	√	√	√	√	170
3JBA	36,700	29	20	29	H	1800	T	3	1	220	1	2500	1125	1	1/6	9.15	2	22	√	√	√	√	210
Holly-General Co., Div. of Siegler Corp., 875 Arroyo Parkway, Pasadena, Calif. — "Holly"																							
AR3-22	22,000	48 1/16	28 1/2	18 1/4	H	1725	T	2	1	230	1	2000	1050	1	1/6	5.00	3	22	√	√	√	√	.....
AR3-34-1*	35,600	48 1/16	28 1/2	18 1/4	H	1725	T	3	1	230	1	3000	1050	1	1/4	5.00	4	22	√	√	√	√	.....
AR3-42-1*	42,000	48 1/16	28 1/2	18 1/4	H	1725	T	3	1	230	1	3500	1050	1	1/3	5.00	5	22	√	√	....	....	.....
AR3-48-1*	48,000	71 1/4	28 1/2	18 1/4	H	1725	T	4	1	230	2	4000	1050	2	1/6	8.25	3	22	√	√	√	√	.....
AR3-60-1*	60,000	71 1/4	28 1/2	18 1/4	H	1725	T	5	1	230	2	5000	1050	2	1/4	8.25	4	22	√	√	√	√	.....
*Also available in 3 phase.																							
Henry Furnace Co., Medina, Ohio — "Moncrief"																							
CA-21	22,700	38	32	26	SH	1750	W	2	1	230	1	1400	710	1	1/3	4.5	3	12	√	....	√	....	505
CA-32*	36,800	38	34 1/2	26	H	1725	T	3	1	230	1	2150	770	1	1/2	6.8	3	22	√	....	√	....	580
CA-52*	59,800	48	34 1/2	28	H	1725	T	5	1	230	2	3450	800	1	3/4	8.8	3	22	√	....	√	....	800
*Also available in 3 phase.																							
General Electric Co., Home Heating & Cooling Dept., Tyler, Texas — "Genreal Electric"																							
TA25A1	23,500	42 1/8	27 1/4	27 1/2	H	3450	O	2.47**	1	230	1	1550	.....	1	1/4	4.05	4	22	√	√	√	√	305
TA33A1*	.....	42 1/8	27 1/4	27 1/2	H	3450	O	3.14**	1	230	1	1800	.....	1	1/3	5.07	4	22	√	√	√	√	322
TA40A1*	.....	42 1/8	27 1/4	27 1/2	H	3450	O	4.15**	1	230	1	2200	.....	1	1/2	6.12	4	22	√	√	√	√	341
TA53A1*	.....	70 1/8	27 1/4	27 1/2	H	3450	O	4.75**	1	230	2	3100	.....	1	1/3	8.10	4	22	√	√	√	√	470
TA63A1*	.....	70 1/8	27 1/4	27 1/2	H	3450	O	6.0**	1	230	2	3700	.....	1	3/4	10.14	4	22	√	√	√	√	485
*Also available in 3 phase. **Air Cooled Units rated in Kilowatts.																							
Coleman Company, Inc., 250 N. St. Francis, Wichita, Kans. — "Polar Prince"																							
6219-701	23,000	30 1/4	28	26 7/8	H	1725	BW	2	1	230	1	1850	1140	1	1/8	4.1	3	22	√	√	√	√	255
6220-701*	35,500	40 1/4	28	26 7/8	H	1725	T	3	1	230	1	2700	1140	1	1/4	6.0	3	22	√	√	√	√	320
6218A701*	57,000	36 1/2	36 1/2	36 1/2	H	1725	T	5	1	230	1	3050	625	1	1/2	10.0	3	22	√	√	√	√	500
*Also available in 3 phase.																							
A. Brown Products Corp., 97-12 Metropolitan Ave., Forest Hills, N. Y.																							
201RP*	22,500	30	33	30	H	1725	T	2	1	230	1	.....	530	1	1/6	2.25	3	22	....	....	....	....	264
301RP*	35,300	30	33	30	H	1725	T	3	1	230	1	.....	710	1	1/4	3.2	3	22	....	....	....	....	292
501RP*	59,100	36	35	36	H	1725	T	5	1	230	1	.....	640	1	1/2	4.15	4	22	....	....	....	....	454
*Also available in 3 phase.																							
Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton, Ohio — "Frigidaire"																							
CARW-200-21*	24,800	28 1/8	27 1/4	44 1/8	SH	1725	O	....	1	230	1	1850	480	1	1/4	4.5	3	12	√	√	√	√	416
CARW-300-21*	39,500	28 1/8	27 1/4	48 1/8	SH	1725	O	....	1	230	1	2700	480	1	1/3	6.5	3	12	√	√	√	√	528
CARW-500-21*	55,650	28 1/8	37 1/4	62 1/8	SH	1725	O	....	1	230	2	4200	525	1	1/2	10.4	3	12	√	√	√	√	694
CARW-750-23	86,700	28 1/8	56 15/16	54 1/8	SH	1725	O	....	3	208/220	2	6150	550	1	3/4	16.9	3	12	....	....	....	√	836
*Also available in 3 phase.																							

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
Delco Appliance Div., General Motors Corp., 391 Lyell Ave., Rochester, N. Y. — "Delco"																							
DC-21	21,000	24⅞	23	26⅜	H	1728	T	1¾	1	230	1	1600	1140	1	1/12	552	3	22	....	....	....	....	199
DC-31*	33,800	32¼	27⅜	32¼	H	1728	T	3	1	230	1	3200	850	1	⅛	1104	3	22	√	√	√	√	303
DC-51*	60,000	37	32⅝	37	H	1728	T	5	1	230	1	4400	680	1	⅓	1440	3	22	√	√	√	√	476
*Also available in 3 phase. All units available with either sweat or quick disconnect fittings.																							
Whirlpool Corp., St. Joseph, Mich. — "RCA Whirlpool"																							
RC7200-3	19,500	33⅜	26⅜	26⅜	H	1725	T	2	1	230	1	1700	Var.	1	⅓	.....	3	22	√	....	....	√	275
RC7300-3*	33,500	35⅜	29½	30⅜	H	1725	T	3	1	230	1	2500	Var.	1	⅓	.....	3	22	√	....	√	√	345
RC7500-3*	57,500	45⅜	37½	31⅜	H	1725	T	5	1	230	1	4200	Var.	1	¾	.....	4	22	√	....	√	√	515
*Also available in 3 phase.																							
Mitchell Mfg. Co., Div. of Cory Corp., 3200 W. Peterson Ave., Chicago, Ill. — "Mitchell"																							
RA200	20,500	29	20¼	24¾	H	1725	T	1¾	1	230	1	1350	1050	1	⅛	3.06	4	22	√	√	√	√	219
RA200F	20,500	29	20¼	24¾	H	1725	T	1¾	1	230	1	1350	1050	1	⅛	3.06	4	22*	√	√	√	√	219
RA300-1	32,900	28¾	26	40¼	H	1725	T	3	1	230	1	2500	600	1	⅓	5.5	4	22	√	√	√	√	330
RA300F-1	32,900	28¾	26	40¼	H	1725	T	3	1	230	1	2500	600	1	⅓	5.5	4	22*	√	√	√	√	330
RA300-3	32,900	28¾	26	40¼	H	1725	T	3	3	220	1	2500	600	1	⅓	5.5	4	22	√	√	√	√	330
RA300F-3	32,900	28¾	26	40¼	H	1725	T	3	3	220	1	2500	600	1	⅓	5.5	4	22*	√	√	√	√	330
RA500-1	57,200	34⅛	39¾	48⅛	H	1725	T	5	1	230	1	4350	550	1	¾	10.0	3	22	√	√	√	√	430
RA500F-1	57,200	34⅛	39¾	48⅛	H	1725	T	5	1	230	1	4350	550	1	¾	10.0	3	22*	√	√	√	√	430
RA500-3	57,200	34⅛	39¾	48⅛	H	1725	T	5	3	230	1	4350	550	1	¾	10.0	3	22	√	√	√	√	430
RA500F-3	57,200	34⅛	39¾	48⅛	H	1725	T	5	3	230	1	4350	550	1	¾	10.0	3	22*	√	√	√	√	430
*Factory charged.																							
Lonergan Mfg. Div., McGraw-Edison Co., Albion, Mich. — "Coolerator"																							
R3A21*	35,200	31¼	30¾	27⅞	H	1725	T	1	1	230	1	2000	1050	1	⅛	4	4	22	√	√	√	√	340
R4A21*	47,200	36½	42¼	36½	H	1725	T	1	1	230	1	2400	720	1	⅓	6.25	4	22	√	√	√	√	352
R5A21*	57,300	34	42¼	34	H	1725	T	1	1	230	1	3900	625	1	½	7.75	3**	22	√	√	√	√	496
*Also vailable in 3 phase. **Twin Coils.																							
Century Engineering Corp., 401 Thid St., S. E., Cedar Rapids, Iowa — "Century"																							
A2-1X	22,500	44½	26⅜	32	H	1725	T	2	1—3	230	2	800	.....	2	⅛	.....	..	22	√	√	√	√	445
A3-1X	35,200	44½	26⅜	32	H	1725	T	3	1—3	230	2	1200	.....	2	⅛	.....	..	22	√	√	√	√	475
AB-2	23,500	30	28½	33	H	1725	T	2	1—3	230	1	800	.....	1	⅓	.....	..	22	√	√	√	√	400
AB-3	36,000	36	28½	33	H	1725	T	3	1—3	230	1	1200	.....	1	½	.....	..	22	√	√	√	√	500
AB-4	48,000	36	35	36	H	1725	T	4	1—3	230	1	1600	.....	1	½	.....	..	22	√	√	√	√	575
AB-5	60,000	42	35	42	H	1725	T	5	1—3	230	1	2000	.....	1	¾	.....	..	22	√	√	√	√	690
McGraw-Edison Co., Lonergan Coolerator Div., Albion, Mich. — "Manning-Bowman"																							
MR3A21*	35,200	31¼	30¾	27⅞	H	1725	T	1	1	230	1	2000	1050	1	⅛	4	4	22	√	√	√	√	340
MR4A21*	47,200	36½	42¼	36½	H	1725	T	1	1	230	1	2400	720	1	⅓	6.25	4	22	√	√	√	√	352
MR5A21*	57,300	34	42¼	34	H	1725	T	1	1	230	1	3900	625	1	½	7.75	3**	22	√	√	√	√	496
*Also available in 3 phase. **Twin Coil.																							
National-U. S. Radiator Corp., 944 Ash St., P. O. Box 1047, Johnstown ,Pa. — "Capitolaire"																							
RES-1AR-021	21,000	34	28⅜	36	H	1725	T	2	1	230	1	2500	.....	1	⅓	8.34	2	22	....	....	√	√	860
RES-1AR-031*	33,000	34	28⅜	36	H	1725	T	3	1	230	1	3000	.....	1	½	8.34	3	22	....	....	√	√	870
RES-1AR-051*	56,000	40	34⅛	49	H	1725	T	5	1	230	1	4700	.....	1	¾	16.7	3	22	....	....	....	√	1200
*Also available in 3 phase.																							
Stewart-Warner Corp., Heating & Air Conditioning Div., Lebanon, Ind.																							
RC-A-A-2	22,500	42½	22	30⅝	H	1725	T	2	1	230	2	.....	1550	2	1/12	3.37	3	22	√	√	√	√	360
RC-A-A-3	33,000	42½	22	30⅝	H	1725	T	3	1—3	230/208/220	2	.....	1550	2	1/12	3.37	4	22	√	√	√	√	370
RC-A-B-5	58,000	55¾	29¾	39⅝	H	1725	T	5	1—3	230/208/220	2	.....	1550	2	¼	6.0	6	22	√	√	√	√	690
RC-A-M-2	22,500	42½	22	30⅝	H	1725	T	2	1	230	1	.....	1550	1	¼	3.37	3	22	√	√	√	√	300
RC-A-M-3	33,000	42½	22	30⅝	H	1725	T	3	1—3	230/208/220	1	.....	1550	1	¼	3.37	4	22	√	√	√	√	320
RC-A-M-5	58,000	55¾	29¾	39⅝	H	1725	T	5	1—3	230/208/220	2	.....	1550	2	¼	6.0	6	22	√	√	√	√	630
RC-A-A-7.5	84,000	55¾	29¾	39⅝	SH	1725	C	7½	3	208/220	2	.....	1725	2	½	5.83	8	22	....	....	....	√	.....

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	Compressor RPM	Compressor Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	Cond. Blower CFM	Cond. Blower RPM	Cond. Blower Motor No.	Cond. Blower Motor HP	Condenser Coil Face Area (Sq. Ft.)	Condenser Coil No. Rows	Refrig. No.	Evap. Coil & Blower Available: Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
United States Air Conditioning Corp., 7900 Tabor Rd., Philadelphia, Pa. — "Kooler-Aire"																							
8320A	1.73	35	37	20	H	1750	T	2	1	230	1	1600	640	1	¼	3.97	3	22	√	√	√	√	350
8330A	2.63	37	40	23	H	1750	T	3	1—3	230/208/220	1	2400	538	1	½	5.78	3	22	√	√	√	√	434
8350A	4.48	40	47	27	H	1750	T	5	1—3	230/208/220	1	3700	474	1	½	9.45	3	22	√	√	√	√	570
8375A	7.02	70	50	30	SH	1750	C	7½	3	208/220	2	7500	605	1	1½	18.75	3	22	√	√	√	√	1105
Permaglas Div., A. O. Smith Corp., 147 S. Indiana, P. O. Box 28, Kankakee, Ill. — "Permaglas"																							
RAC-24AB-1*	22,500	34	23	38	H	1725	T	2	1	230	1	1800	740	1	¼	4.48	3	22	√	√	√	....	410
RAC-36AB-1*	35,300	34	23	38	H	1725	T	3	1	230	1	2500	650	1	½	6.39	3	22	√	√	√	....	439
RAC-60AB-1*	60,000	41½	28	53	H	1725	T	5	1	230	1	3500	575	1	½	8.34	4	22	√	√	√	....	500
RAC-20AF-1	18,200	26	36⅞	26	H	1725	T	1¾	1	230	1	1650	1050	1	1/12	3.67	3	22	√	√	√	√	265
RAC-24AF-1	22,600	26	36⅞	26	H	1725	T	2	1	230	1	2200	1050	1	1/10	3.67	3	22	√	√	√	√	284
RAC-36AF-1*	33,200	30	38	30	H	1725	T	3	1	230	1	2800	800	1	⅛	5.06	4	22	√	√	√	√	308
RAC-60AF-1*	56,000	36	45	36	H	1725	T	5	1	230	1	4200	650	1	½	7.35	4	22	√	√	√	√	400
*Also available in 3 phase.																							
Round Oak Co., Inc., Dowagiac, Mich. — "Clima-Twin-Aire"																							
RA-214-1	20,500	34¼	27	34¼	H	1725	T	1⅞	1	230	4	1600	950	1	1/12	1076**	2	22	√	√	√	√	240
RA-243-1	24,000	34¼	27	34¼	H	1725	T	1⅞	1	230	4	1800	950	1	1/12	1076**	2	22	√	√	√	√	260
RA-373-1*	36,000	37¼	27	37¼	H	1725	T	3	1	230	4	2700	825	1	⅛	1076**	3	22	√	√	√	√	385
RA-464-1	46,000	37¼	27	37¼	H	1725	T	(2)1⅞	1	230	6	3600	625	1	⅛	1076**	3	22	√	√	√	√	430
RA-504-1	60,000	37¼	27	37¼	H	1725	T	5	1	230	6	4000	625	1	⅛	1614**	3	22	√	√	√	√	465
*Also available in 3 phase. **Listed in Square Inches.																							
Peerless Corp., 1853 Ludlow, Indianapolis, Ind. — "Clima-Twin-Aire"																							
RA-214-1	20,500	34¼	27	34¼	H	1725	T	1⅞	1	230	4	1600	950	1	1/12	1076**	2	22	√	√	√	√	240
RA-243-1	24,000	34¼	27	34¼	H	1725	T	1⅞	1	230	4	1800	950	1	1/12	1076**	2	22	√	√	√	√	260
RA-373-1*	36,000	37¼	27	37¼	H	1725	T	3	1	230	4	2700	825	1	⅛	1076**	3	22	√	√	√	√	385
RA-464-1	46,000	37¼	27	37¼	H	1725	T	(2)1⅞	1	230	6	3600	625	1	⅛	1076**	3	22	√	√	√	√	430
RA-504-1*	60,000	37¼	27	37¼	H	1725	T	5	1	230	6	4000	625	1	⅛	1614**	3	22	√	√	√	√	465
*Also available in 3 phase. **Listed in Square Inches.																							
Airtemp Div., Chrysler Corp., 1600 Webster St., Dayton, Ohio — "Airtemp"																							
1218	.....	32⅜	23 7/32	37½	H	1750	T	2	1	230	1	1600	440	1	¼	4.43	3	22	√	√	√	√	387
1203-1*	.....	32⅜	23 7/32	37½	SH	3500	O	3	1	230	1	2250	525	1	½	5.62	3	22	√	√	√	√	415
1203-4	.....	32½	26⅛	37 1/16	H	1750	O	3	1	230	1	2770	820	1	⅛	7.7	2	22	√	√	√	√	293
1205-1*	.....	36⅝	32⅛	51⅛	SH	1750	O	5	1	230	1	3800	420	1	¾	9.36	3	12	√	√	√	√	845
1208**	.....	58	63	28	SH	1750	O	7½	2	220	2	6000	521	1	1	13.9	4	12	√	....	√	√	1150
*Also vailable in 2 and 3 phase. **Also available in 3 phase.																							
Crane Co., 836 S. Michigan Ave., Chicago, Ill. — "Sunnyland"																							
CA-2	21,530	26	33½	36	SH	1750	BW	2	1	230	1	1750	680	1	⅓	4.33	3	12	√	√	√	....	475
CA-3	34,300	29	37½	36	SH	1750	BW	3	1—3	230/208/220	1	2500	600	1	½	6.74	3	22	√	√	√	....	500
CA-5	54,600	30	47½	51½	SH	1750	BW	5	1—3	230/208/220	1	3750	645	1	1	13.3	3	12	√	√	√	....	800
A2-1X	25,500	44½	26	32	H	1750	T	2	1—3	230/220	2	.....	.....	..	.....	.....	2	22	√	√	√	....	445
A3-1X	38,500	44½	26	32	H	1750	T	3	1—3	230/220	2	.....	.....	..	.....	.....	3	22	√	√	√	....	475
A5-1X	60,000	37	33 1/16	37	H	1750	T	5	1—3	230/208/220	1	4400	.....	1	⅓	.....	3	22	√	√	√	....	538
2A-17	22,150	36	32	42	SH	.....	C	2	1—3	230/220	1	.....	.....	..	¼	.....	..	22	√	√	√	√	410
3A-17	32,600	36	32	42	SH	.....	C	3	1—3	230/220	1	.....	.....	..	⅓	.....	..	22	√	√	√	√	470
5A-17	56,700	42	36	48	SH	.....	C	5	1—3	230/220	1	.....	.....	..	½	.....	..	22	√	√	√	√	760
JB200HT	21,200	33½	19 1/16	24	H	1750	T	2	1—3	230/220	2	.....	.....	2	1/20	.....	3	22	√	√	√	√	400
JB300HT	32,600	33½	19 1/16	26	H	1750	T	3	1—3	230/220	2	.....	.....	2	1/12	.....	4	22	√	√	√	√	460
Fedders-Quigan Corp., 5201 Flushing Ave., Maspeth, L. I., N. Y. — "Fedders"																							
860R-3*	60,000	31⅞	28¾	48⅝	H	1725	T	5	1	230	2	.....	1050	2	⅓	7.8	3	22	√	....	√	√	465
836R-3*	37,000	27⅞	28¾	30⅛	H	1725	T	3	1	230	1	.....	1050	1	⅓	4.6	3	22	√	....	√	√	268
830R-3*	32,000	27¼	23¾	30⅛	H	1725	T	3	1	230	1	.....	1050	1	⅓	3.6	3	22	√	....	√	√	255
*Also available in 3 phase. All units available in completely charged systems or for field charging.																							
Waterman-Waterbury Co., 1121 Jackson St., N. E., Minneapolis, Minn. — "Waterbury"																							
FC-21	20,500	29	20¼	24¾	H	1725	T	2	1	230	1	1400	1140	1	⅙	3.2	3	22	√	√	√	√	219
FC-31*	34,500	28¾	26	40¼	H	1725	T	3	1	230	1	2400	Var.	1	½	4.6	4	22	√	√	√	√	330
FC-51*	59,000	34⅛	39¾	48⅛	H	1725	T	5	1	230	1	4350	Var.	1	¾	10	3	22	√	√	√	√	430
*Also available in 3 phase.																							

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
Janitrol Heating & Air Conditioning Div., Surface Combustion Corp., 400 Dublin Ave., Columbus, Ohio																							
SRA7-65	21,800	29½	23	29½	H	1725	T	2	1	230	1	1400	950	1	.09	3.75	3	22	√	√	√	√	233
SRA9-65	34,900	34½	28	34½	H	1725	T	3	1—3	230/208/220	1	3200	775	1	.125	7.5	3	22	√	√	√	√	343
SRA11-65	58,300	39	33	39	H	1725	T	5	1—3	230/208/220	1	4400	620	1	.30	10.0	3	22	√	√	√	√	519
A401-75*	47,500	39	33	39	SH	1750	**	5	1	230	1	4500	620	1	.30	11.3	2	12	√	√	√	√	600
A603-75	76,100	51½	49½	30¼	SH	1750	**	7½	3	208/220	2	4800	696	1	.1	13.4	3	22	....	....	√	√	900
*Also available in 3 phase. **Westinghouse.																							
General Air Conditioning Corp., 4542 E. Dunham St., Los Angeles, Calif.																							
RCU27*	24,000	30	25	26	H	1725	T	2½	1	220	1	1500	1550	1	⅛	5.2	3	22	√	√	√	√	302
RCU37	37,700	30	25	26	H	1725	T	3½	1	220	1	1900	1050	1	⅓	5.2	3	22	√	√	√	√	340
RCU57	65,500	40	38	27	H	1725	T	6½	1—3	220	1	3000	550	1	¼	9	4	22	√	√	√	√	540
RCU757	98,250	48	50	32¾	H	1725	**	8¾	3	220	1	4000	600	1	1	9	6	22	√	√	√	√	900
RCU107	131,000	66⅛	50	32¾	H	1725	T	(2)13	3	220	1	6000	600	1	1½	12	6	22	√	√	√	√	1170
*Remote **York																							
Southwest Mfg. Co., P. O. Box 151, Aurora, Mo. — "Heatwave"																							
AK-221	22,688	32	20	41	H	1725	T	2	1	208/230	1	2000	1095	1	⅛	8.4	2	22	√	√	√	√	250
AK-201	23,850	32	20	41	H	1725	T	2	1	208/230	1	2000	1095	1	⅛	8.4	2	22	√	√	√	√	290
AK-301	34,450	32	20	41	H	1725	T	3	1—3	208/230	1	2900	1090	1	⅛	8.4	2	22	√	√	√	√	308
AK-401	47,850	32	20	41	H	1725	C	4	1—3	208/230	1	3600	1100	1	¼	8.4	3	22	√	√	√	√	469
AK-501	58,200	32	32	41	H	1725	C	5	1—3	208/230	1	4500	1090	1	¼	14	2	22	√	√	√	√	525
AK-753	87,300	32	32	41	H	1725	C	7½	3	208/230	1	5700	1090	1	½	14	3	22	√	√	√	√	625
E. B. Smith, Inc., 1311 Robin Rd, South, St. Petersburg, Fla. — "Royal-Aire"																							
23AC	23,100	30⅛	23¾	27⅞	H	.....	T	2	1	230	..	.....	.....	..	⅓	.....	2	22	√	√	√	√	205
Roberts-Gordon Appliance Corp., 44 Central Ave., Buffalo, N. Y. — "Gordonair"																							
2GAC	22,500	30	33¼	30	H	.....	T	2	1—3	230/220	1	1800	.....	1	¼	4.5	4	22	√	√	√	√	264
3GAC	35,300	30	33¼	30	H	.....	T	3	1—3	230/220	1	2500	.....	1	¼	6.4	4	22	√	√	√	√	292
5GAC	59,100	36	35	36	H	.....	T	5	1—3	230/220	1	3500	.....	1	½	8.3	4	22	√	√	√	√	454
175GAC	19,600	27	24	37	H	.....	T	2	1	230	1	2000	.....	1	⅛	2.8	4	22	√	√	√	√	245
2GAR	22,500	34	24	43	H	.....	T	2	1—3	230/220	1	1875	.....	1	¼	4.5	4	22	√	√	√	√	264
3GAR	35,200	34	24	43	H	.....	T	3	1—3	230/220	1	2500	.....	1	⅓	6.4	4	22	√	√	√	√	292
5GAR	56,300	40	28	52	H	.....	T	5	1—3	230/220	1	3500	.....	1	½	8.3	4	22	√	√	√	√	454
Peerless Products Co., Fifth St. & Ellis Ave., Darby, Pa. — "Bonair"																							
200AC	21,500	30⅛	23¾	27⅜	H	.....	T	..	.....	.....	1	.....	.....	1	⅓	4	2	22	√	√	√	√	225
T300AC	31,000	30⅛	23¾	27⅜	H	.....	T	..	.....	.....	1	.....	.....	1	⅓	4	3	22	√	√	√	√	275
300AC	35,500	30⅛	28¾	27⅜	H	.....	T	..	.....	.....	1	.....	.....	1	⅓	4.2	3	22	√	√	√	√	295
500AC	60,000	45⅛	28¾	31⅞	H	.....	T	..	.....	.....	2	.....	.....	2	⅓	8	3	22	√	√	√	√	490
Mathes Co., Div. of Glen Alden Corp., 1501 E. Broadway, Fort Worth, Texas — "Mathes"																							
24HAR-1D*	24,000	33	23	24	H	1725	BW	2.3	1	208/230	1	2500	1000	1	¼	3.9	3	22	√	√	√	√	235
27HAR-1D*	27,000	51	31	27	H	1725	BW	2.5	1	208/230	1	4000	725	1	¼	8.2	2	22	√	√	√	√	305
34HAR-1D*	32,000	39	23	24	H	1725	T	3.4	1	208/230	1	2500	1000	1	¼	4.7	3	22	√	√	√	√	295
38HAR-1D*	36,000	51	31	27	H	1725	T	3.6	1	208/230	1	4000	725	1	¼	8.2	2	22	√	√	√	√	405
40HAR-1D*	42,000	51	31	27	H	1725	BW	(2)2.3	1	208/230	1	4000	725	1	¼	8.2	2	22	√	√	√	√	465
50HAR-1D*	50,000	51	31	27	H	1725	BW	(2)2.5	1	208/230	1	4500	750	1	⅓	8.2	3	22	√	√	√	√	485
62HAR-1D*	62,000	61	31	27	H	1725	T	6.2	1	208/230	1	5000	800	1	½	11	3	22	√	√	√	√	535
90HAR-2D*	90,000	75	43	27	SH	1725	C	9	2	208/220	1	10,000	700	1	¾	19.6	2	22	√	√	√	√	750
90HAR-4D	90,000	75	43	27	SH	1725	C	9	3	440	1	10,000	700	1	¾	19.6	2	22	√	√	√	√	750
120HAR-2D	120,000	75	43	27	SH	1725	C	12	2	208/220	1	10,000	700	1	¾	19.6	3	22	√	√	√	√	825
120HAR-3D	120,000	75	43	27	SH	1725	C	12	3	208/230	1	10,000	700	1	¾	19.6	3	22	√	√	√	√	825
120HAR-4D	120,000	75	43	27	SH	1725	C	12	3	440	1	10,000	700	1	¾	19.6	3	22	√	√	√	√	825
*Also available in 3 phase.																							
Forston Co., Mfg., 1400 Conti St., Houston, Texas — "Forston" "Lincoln"																							
200R	24,000	24	24½	31½	H	1725	T	2	1	230	1	2570	1030	1	⅛	3.17	4	22	√	√	√	√	350
300R	36,000	29½	25½	35¼	H	1725	T	3	1—3	230/208	1	4760	1030	1	⅛	4.73	4	22	√	√	√	√	450
500R	60,000	41¾	42¾	42¾	H	1725	T	5	1—3	230/208	1	8250	480	1	⅓	10.0	3	22	√	√	√	√	575
750R	90,000	41¾	42¾	42¾	H	1750	C	7½	3	230/208	1	9430	548	1	½	10.0	4	22	....	....	√	√	650
1000R	120,000	53	55½	36	H	1750	C	10	3	230/208	1	18,000	428	1	¾	17.66	3	22	....	....	√	√	800

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	No.	Cond. Blower CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
Rheem Mfg. Co., 7600 Kedzie, Chicago, Ill. — "Rheemaire"																							
180E-200B	22,000	17	22⅛	45	H	1725	C	1	1	230	1	.....	1050	1	⅛	.....	*	22	√	√	√	√	240
RA3081	30,000	18	24	48	H	1725	C	1½	1	230	1	.....	1050	1	⅛	.....	*	22	√	√	√	√	260
180E-300B	40,000	17	22⅛	45	H	1725	T	2	1	230	1	.....	1050	1	⅛	.....	*	22	√	√	√	√	300
RA57B1	57,000	23¾	30¾	52	SH	1725	C	3	1	230	1	.....	1050	1	½	.....	*	22	√	√	√	√	512
RA57B3-220	57,000	23¾	30¾	52	SH	1725	C	3	3	220	1	.....	1050	1	½	.....	*	22	√	√	√	√	508
RA57B3-208	57,000	23¾	30¾	52	SH	1725	C	3	3	208	1	.....	1050	1	½	.....	*	22	√	√	√	√	508
*These units use Rheem "Air-Flow" Condenser.																							
Carrier Corp., 300 S. Geddes St., Syracuse, N. Y. — "Carrier"																							
6T25	2560*	21⅞	15⅛	16½	SH	1750	C	¼	1	115	1	365	1525	1	6**	.75	2	12	....	....	....	....	118
6T33	2837*	21⅞	15⅛	16½	SH	1750	C	⅓	1	115	1	365	1525	1	6**	.75	3	12	....	....	....	....	126
6T50	5100*	23¼	17½	17¼	SH	1750	C	½	3	220	1	480	1370	1	9**	1.05	4	12	....	....	....	....	146
6T75	7800*	23¼	19½	17¼	SH	1750	C	¾	3	220	1	825	1250	1	⅓₀	1.4	4	12	....	....	....	....	168
6T10	10,200*	25¼	17⅝	20¼	SH	1750	C	1	3	220	2	880	1370	2	9**	1.9	4	12	....	....	....	....	191
6T15	15,150*	33½	16⅝	22⅞	SH	1750	C	1½	3	220	2	1665	1750	2	⅓₀	2.8	4	12	....	....	....	....	234
6D23	19,850*	32	16⅞	27⅝	SH	1750	O	2	3	220	2	1465	1525	2	⅓₀	2.8	6	12	....	....	....	....	279
6D40	30,700*	40⅝	18¼	28¾	SH	1750	O	3	3	220	2	2060	1525	2	1/12	4.7	6	12	....	....	....	....	377
*Capacities based on 40 F suction. **Watts.																							
Farquhar Co., 230 Owens Ave., Wilmington, Ohio — "FarQuar"																							
S-2	23,300	34	23	28	H	1750	T	2	1	230	2	2250	1150	2	⅓₀	7.0	2	22	√	√	√	√	375
S-3	35,200	34	23	28	H	1750	T	3	1	230	2	2950	1150	2	1/12	7.0	3	22	√	√	√	√	440
S-4	42,500	34	29	48	H	1750	T	4	1	230	1	3600	430	1	½	7.0	3	22	√	√	√	√	600
S-5	56,700	42¼	35	50	H	1750	T	5	1	230	1	5100	375	1	¾	12.5	3	22	....	....	....	√	680
Bard Mfg. Co., Evansport Rd., Bryan, Ohio — "Bard"																							
RP2	22,500	30	33¼	30	H	.....	T	2	1	230	1	1800	530	1	⅛	4.47	4	22	√	√	√	√	265
RP3	35,300	30	33¼	30	H	.....	T	3	1	230	1	2500	710	1	¼	6.4	4	22	√	√	√	√	290
RP5	59,100	36	35	36	H	.....	T	5	1—3	230/220	1	3500	640	1	½	8.3	4	22	√	√	√	√	455
AC21	22,500	36	24	43½	H	.....	T	2	1	230	1	1800	740	1	¼	4.5	4	22	√	√	√	√	410
AC31	35,300	36	24	43½	H	.....	T	3	1	230	1	2500	645	1	½	6.4	4	22	√	√	√	√	439
AC51	60,000	41½	28	53	H	.....	T	5	1—3	230/220	1	3500	580	1	½	8.3	4	22	√	√	√	√	640
Worthington Corp., Ampere Station, East Orange, N. J. — "Worthington"																							
RAC-200	22,400	40¼	38	27⅛	SH	1750	O	2	1—3	208/220/230	1	2200	540	1	½	4.12	3	12	√	....	√	√	525
RAC-400	33,200	45¼	41⅞	28⅛	SH	1750	O	3	1—3	208/220/230/ 380/440/550	1	3300	490	1	½	6.33	3	22	√	....	√	√	595
RAC-510	43,000	53	38⅞	27⅛	SH	1750	O	5	1—3	208/220/230	2	4400	570	1	¾	8.37	4	22	√	....	√	√	698
RAC-610	55,200	53	38⅞	27⅛	SH	1750	O	5	1-2-3	208/220/230/ 380/440/550	2	5200	625	1	1	8.37	4	22	√	....	√	√	723
RAC-810	86,500	67	41¼	31⅝	SH	1750	O	7½	2—3	208/220/ 380/440/550	2	6500	550	1	1½	12.50	5	22	....	....	√	√	937
Dowagiac Steel Furnace Co., Dowagiac, Mich. — "Dowagiac"																							
DAC-2E	21,000	24⅞	20⅞	26⅛	H	1725	T	1¾	1	230	..	.....	.....	..	1/12	3.75	3	22	√	√	√	√	255
DAC-3	33,800	32¼	27⅛	32¼	H	1725	T	3	1—3	230/208/220	..	.....	.....	..	⅛	7.50	3	22	√	√	√	√	406
DAC-5	60,000	37	33⅛	37	H	1725	T	5	1—3	230/208/220	..	.....	.....	..	½	10.00	3	22	√	√	√	√	597
Day & Night Mfg. Co., 855 Anaheim-Puente Rd., Puente, Calif. — "Day & Night"																							
ACR4B-231*	30,500	32⅜	26⅛	37½	SH	1750	**	3	1	230	1	2000	1725	1	½	4.95	3	C-7	√	√	√	√	435
ACR6B-231*	40,800	37¾	26⅛	43¼	SH	1750	**	4	1	230	1	3000	1725	1	½	6.72	3	12	√	√	√	√	558
ACR7B-231*	51,000	37¾	26⅛	49¼	SH	1750	**	5	1	230	1	3200	1725	1	½	7.8	3	C-7	√	√	√	√	596
ACR8B-223	63,000	36⅝	27⅛	47⅜	SH	1750	**	7½	3	208/220	1	3900	1725	1	1	.....	3	C-7	....	....	√	√	565
ACR9B-223	76,500	73⅛	28⅛	33⅝	SH	1750	**	7½	3	208/220	1	5600	1725	1	1	12.07	3	C-7	....	....	√	√	900
*Also available in 3 phase. **Carrier.																							
Weatherking of Florida, 2310 Cooleridge Ave., Orlando, Fla. — Weatherking																							
WKAC3	36,000	51	32	26	H	1750	T	3	1—3	220	1	2400	492	1	½	4.5	4	22	√	....	√	√	800
WKAC5	60,000	51	57	26	H	1750	T	5	1—3	220	1	3200	580	1	¾	9.0	4	22	√	....	√	√	1000
WKAC7½	96,000	51	57	26	SH	1750	*	7½	3	220	2	4000	455	2	½	13.5	4	22	....	....	....	√	1250
WKAC10	120,000	61	57	29	SH	1750	C	10	3	220	2	6000	550	2	¾	18.0	4	22	....	....	....	√	2000
*Worthington																							

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
American-Standard Corp., Air Conditioning Div., 40 West 40th St., New York, N. Y. — "American-Standard"																							
AC-2A*	21,600	31½	39	29½	H	1725	T	2	1	230	1	2000	775	1	⅛	5.0	3	22	√	√	√	√	320
AC-3A*	32,500	31½	39	29½	H	1725	T	3	1	230	1	2500	775	1	⅛	7.5	3	22	√	√	√	√	331
AC-5A*	60,000	37	32¾	37	H	1725	T	5	1	230	1	4400	625	1	⅓	9.99	3	22	√	....	√	√	470
*Also available in 3 phase.																							
Cond-Air Div., Elliott Engineering Co., Inc., 10608 Santa Fe, South Gate, Calif. — "Cond-Air"																							
AC20HS	24,000	33	35	22	H	1725	T	..	1—3	220	1	2000	512	1	¼	3.6	4	22	√	√	√	√	.....
AC30HS	34,800	44	41	25	H	1725	T	..	1—3	220	1	3000	515	1	⅓	5.25	4	22	√	√	√	√	.....
AC50HS	60,000	61	39	26	H	1725	T	..	1—3	220	2	5000	525	1	¾	7.15	4	22	√	√	√	√	.....
Wright Mfg. Co., 2902 W. Thomas Rd., Phoenix, Ariz.																							
2RC-1*	24,500	34½	27½	30	H	1725	T	2	1	230	1	2400	1050	1	½	4.2	4	22	√	....	√	√	334
3AC-1*	35,400	42	27½	33¼	H	1725	T	3	1	230	1	3300	740	1	½	6	4	22	√	....	√	√	400
4RC-1*	48,900	37½	47	37½	SH	1725	T-C	4	1	230	1	4800	500	1	½	9.3	3	22	√	....	√	√	550
5RC-1*	58,440	40	57¼	40	H	1725	T	5	1	230	1	6000	500	1	¾	13	3	22	√	....	√	√	682
*Also available in 3 phase.																							
York Corp., Subsidiary of Borg-Warner Corp., Grantley Rd., York, Pa. — "Flex-O-Metic"																							
A31M12	.....	22½	14¼	18	H	1725	O	½	1	115	1	410	.....	1	1/80	1.27	2	12	....	....	....	....	84
A31L12	.....	22½	14¼	18	H	1725	O	½	1	115	1	410	.....	1	1/80	1.27	2	12	....	....	....	....	90
A31M22	.....	22½	14¼	18	H	1725	O	½	1	115	1	410	.....	1	1/80	1.27	2	22	....	....	....	....	84
A31L22	.....	22½	14¼	18	H	1725	O	½	1	115	1	410	.....	1	1/80	1.27	2	22	....	....	....	....	84
A51M12*	.....	22½	14¼	18	H	1725	O	½	1—3	115/230/ 208/220	1	650	.....	1	¼0	1.40	3	12	....	....	....	....	100
A51L12*	.....	22½	14¼	18	H	1725	O	½	1—3	115/230/ 208/220	1	410	.....	1	1/80	1.27	2	12	....	....	....	....	100
A51M22*	.....	22½	14¼	18	H	1725	O	½	1—3	115/230/ 208/220	1	650	.....	1	¼0	1.40	3	22	....	....	....	....	100
A51L22*	.....	22½	14¼	18	H	1725	O	½	1—3	230/208/220	1	410	.....	1	1/80	1.27	2	22	....	....	....	....	100
A71M12*	.....	24	14¼	20½	H	1725	O	¾	1—3	115/230/ 208/220	1	650	.....	1	¼0	1.40	3	12	....	....	....	....	119
A71L12*	.....	24	14¼	20½	H	1725	O	¾	1—3	115/230/ 208/220	1	650	.....	1	¼0	1.40	3	12	....	....	....	....	119
A71M22*	.....	24	14¼	20½	H	1725	O	¾	1—3	115/230/ 208/220	1	650	.....	1	¼0	1.40	3	22	....	....	....	....	107
A71L22*	.....	24	14¼	20½	H	1725	O	¾	1—3	115/230/ 208/220	1	650	.....	1	¼0	1.40	3	22	....	....	....	....	107
A101M12*	.....	24	14¼	20½	H	1725	O	1	1—3	230/208/220	1	700	.....	1	⅓0	1.60	4	12	....	....	....	....	127
A101M22*	.....	24	14¼	20½	H	1725	O	1	1—3	230/208/220	1	700	.....	1	⅓0	1.60	4	22	....	....	....	....	118
A101L22*	.....	24	14¼	20½	H	1725	O	1	1—3	230/208/220	1	650	.....	1	¼0	1.40	3	22	....	....	....	....	119
A151M12*	.....	30	20¾	30	H	1725	O	1½	1—3	230/220/ 208/440	2	1400	.....	2	⅓0	3.37	3	12	....	....	....	....	280
A151VL12*	.....	30	20¾	30	H	1725	O	1½	1—3	230/220/208	2	1400	.....	2	⅓0	3.37	3	12	....	....	....	....	280
A151M22*	.....	30	20¾	30	H	1725	O	1½	1—3	230/220/ 208/440	2	1400	.....	2	⅓0	3.37	3	22	....	....	....	....	185
A151VL22*	.....	30	20¾	30	H	1725	O	1½	1—3	230/220/ 208/440	2	1400	.....	2	⅓0	3.37	3	22	....	....	....	....	280
A201M12*	.....	30	20¾	30	H	1725	O	2	1—3	230/220/ 208/440	2	1400	.....	2	⅓0	3.37	3	12	....	....	....	....	287
A201VL12*	.....	30	20¾	30	H	1725	O	2	1—3	230/220/ 208/440	2	1400	.....	2	⅓0	3.37	3	12	....	....	....	....	323
A201M22*	.....	30	20¾	30	H	1725	O	2	1-2-3	230/220/ 208/440	2	1400	.....	2	⅓0	3.37	3	22	....	....	....	....	287
A201VL22*	.....	30	20¾	30	H	1725	O	2	1-2-3	230/220/ 208/440	2	1400	.....	2	⅓0	3.37	3	22	....	....	....	....	287
A301M12*	.....	37	20¾	34	H	1725	O	3	1-2-3	230/220/ 208/440	2	1750	.....	2	1/12	5.91	6	12	....	....	....	....	400
A301VL12*	.....	37	20¾	34	H	1725	O	3	1-2-3	230/220/ 208/440	2	1750	.....	2	1/12	5.91	6	12	....	....	....	....	425
A301M22*	.....	37	20¾	34	H	1725	O	3	1-2-3	230/220/ 208/440	2	1750	.....	2	1/12	5.91	6	22	....	....	....	....	360
A301VL22*	.....	37	20¾	34	H	1725	O	3	1-2-3	230/220/ 208/440	2	1750	.....	2	1/12	5.91	6	22	....	....	....	....	400
*Also available as air-water cooled.																							

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
American Coils Co., Farmingdale, N. J. — "ACI"																							
SCA-20	18,800	36	26½	31	H	1750	T	2	1—3	208/230	1	2250	.....	1	⅓	.....	--	22	....	....	√	√	378
SCA-30	28,450	36	26½	31	H	1750	T	3	1—3	208/230	1	2950	.....	1	⅓	.....	--	22	....	....	√	√	423
SCA-50	49,800	50	33	42	H	1750	T	5	1—3	208/230	1	5100	.....	1	½	.....	--	22	....	....	√	√	594
CA-20-H	21,700	35	54	22	SH	1750	C	2	1—3	208/230	1	.....	.....	1	.....	.....	5	12 22	....	....	√	√	632
CA-30-H	34,600	35	54	22	SH	1750	C	3	1—3	208/230	1	.....	.....	1	.....	.....	5	12 22	....	....	√	√	632
CA-50-H	53,600	45	58½	25	SH	1750	C	5	1-2-3	208/230	1	.....	.....	1	.....	.....	5	12 22	....	....	√	√	756
CA-75-H	79,100	57	60	29¾	SH	1750	C	7½	1-2-3	208/220	1	.....	.....	1	.....	.....	5	12 22	....	....	√	√	1045
CA-100-H	107,200	70	64	29¾	SH	1750	C	(2)5	1-2-3	208/230	2	.....	.....	2	.....	.....	5	12 22	....	....	....	....	1455
CA-150-H	158,200	96	66	29¾	SH	1750	C	(2)7½	1-2-3	208/230	2	.....	.....	2	.....	.....	5	12 22	....	....	....	....	3230
Williams Oil-O-Matic Heating Co., Div. of National Union Electric Corp., 851 W. Third Ave., Columbus, Ohio — "Air-O-Matic"																							
RAF-2-1	19,000	27	25¼	20	H	1750	T	2	1	230	1	1500	825	1	⅛	3.66	3	22	√	√	√	√	205
RAF-3-1	35,100	33½	28	22⅛	H	1750	T	3	1	230	1	2600	530	1	¼	5.2	3	22	√	√	√	√	261
RAC-3-3	33,540	40	28½	28	H	1750	T	3	3	208/220	1	2550	550	1	⅓	5.6	4	22	√	√	√	√	438
RAC-5-1*	60,000	63¼	29	29	H	1750	T	5	1	230	2	2500	550	2	⅓ ea.	8.77	4	22	√	....	√	√	740
*Also available in 3 phase.																							
Heat-X, Inc., Subsidiary of Dunham-Bush, Inc., 179 South St., West Hartford, Conn.																							
RCU200	31,000	40	26	38½	SH	1750	B	2	1—3	230/208/ 220/440	1	2400	420	1	¼	4.66	2	22	....	....	....	....	495
RCU300	43,000	40	26	38½	SH	1750	B	3	1—3	230/208/ 220/440	1	3000	510	1	½	5	2	22	....	....	....	....	685
RCU500	71,000	65	25	39½	SH	1750	B	5	1—3	230/208/ 220/440	1	4400	470	1	¾	9.7	2	22	....	....	....	....	780
Ed Friedrich, Inc., 1117 E. Commerce St., San Antonio, Texas — "Floating Air"																							
DRA301**	31,500	30¼	31⅝	38¼	..	.....	..	..	..	.....	1	3500	765	1	⅓	8.34	2	....	....	....	....	....	301
DRAU301*	31,500	30¼	31⅝	38¼	H	1725	T	3	1	230	1	3500	765	1	⅓	8.34	2	22	√	√	√	√	410
RAU301*	35,000	30¼	31⅝	38¼	H	1725	T	3	1	230	1	3400	680	1	⅓	8.34	3	22	√	√	√	√	425
DRA501**	53,500	30¼	31⅝	38¼	..	.....	..	..	..	.....	1	3900	850	1	½	8.34	3	....	....	....	....	....	325
DRAU501*	53,500	30¼	31⅝	38¼	H	1725	T	5	1	230	1	3900	850	1	½	8.34	3	22	√	√	√	√	535
DRA751**	81,500	52½	54⅛	36⅜	..	.....	..	..	..	.....	1	8000	373	1	¾	13.22	4	....	....	....	....	....	690
DRAU753	81,500	52½	54⅛	36⅜	SH	1725	C	7½	3	220	1	8000	373	1	¾	13.22	4	12	√	√	√	√	920
DRAU1003	101,000	49⅛	54½	34⅛	SH	1725	C	10	3	220	1	9000	610	1	1½	14.93	4	22	....	....	....	....	920
*Available in 3 phase. **Condenser only.																							
Typhoon Air Conditioning Co., Div. of Hupp Corp., 505 Carroll St., Brooklyn, N. Y. — "Typhoon"																							
2ACCU	24,900	40	45	25½	H	1750	T	2	3	208/220	1	2350	.....	1	½	3.75	4	22	√	....	√	√	500
3ACCU	37,000	40	45	25½	H	1750	T	3	3	208/220	1	3500	.....	1	¾	5.62	4	22	√	....	√	√	535
5ACCU	60,600	52	52	27½	SH	1750	C	5	3	208/220	2	5800	.....	1	1	7.88	5	22	√	....	√	√	775
8ACCU	88,800	62	56	35	SH	1750	C	7½	3	208/220	2	7500	.....	1	1½	13.0	5	22	√	....	√	√	1400
10ACCU	121,000	62	56	35	SH	1750	C	10	3	208/220	2	8600	.....	1	2	13.0	7	22	....	....	....	√	1470
15ACCU	177,600	124	56	35	SH	1750	C	(2)7½ (1)7½	3	208/220	4	15,000	.....	2	1½ (1)1½	26.0	5	22	....	....	....	√	2800
18ACCU	210,000	124	56	35	SH	1750	C	(1)10	3	208/220	4	16,100	.....	2	(1)2	26.0	7	22	....	....	....	√	2870
20ACCU	242,400	124	56	35	SH	1750	C	(2)10	3	208/220	4	17,200	.....	2	2	26.0	7	22	....	....	....	√	2940
Majestic Co., Inc., Erie St., Huntington, Ind. — "Majestic"																							
A2	24,000	24⅛	36	35½	H	.....	T	2	1—3	230	..	2200	.....	..	½	.....	3	22	√	√	√	√	400
A3	36,000	24⅛	36	35½	H	.....	T	3	1—3	230	..	3300	.....	..	½	.....	4	22	√	√	√	√	410
A5	60,000	48	37	48	H	.....	T	5	1—3	230	..	5400	.....	..	¾	.....	3	22	√	√	√	√	800
Burnham Corp., Berger Furnace Div., Fourth & Main St., Belle Vernon, Pa. — "Burnham"																							
BAC21	17,900	36	24	44⅛	H	1725	T	1¾	1	230	1	1600	765	1	⅛	3.83	3	22	√	√	√	√	463
BAC22	22,500	36	24	44⅛	H	1725	T	2	1—3	230/220	1	1800	815	1	¼	4.47	3	22	√	√	√	√	483
BAC23	35,300	36	24	44⅛	H	1725	T	3	1—3	230/220	1	2500	615	1	⅓	6.38	3	22	√	√	√	√	513
BAC25	60,000	41½	28	53	H	1725	T	5	1—3	230/220	1	3500	567	1	½	8.33	4	22	√	√	√	√	640

AIR COOLED CONDENSING UNITS (Continued)

Model No.	Cooling Capacity BTUH @ 95° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Cond. Blower No.	CFM	RPM	Cond. Blower Motor No.	HP	Condenser Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Evap. Coil & Blower Available Up Flow	Down Flow	Horiz.	Coil & Blower Comb.	Net Wt. (lb.) Cond. Unit
Perfection Industries, Div. of Hupp Corp., 1135 Ivanhoe Rd., Cleveland, Ohio — "Perfection"																							
PA31C*	36,000	30	27	42¼	H	1725	T	3	1	230	1	2600	1725	1	½	5.48	3	22	√	√	√	√	365
PA51C*	60,000	30	27	66¼	H	1725	T	5	1	230	2	4200	1725	2	⅓	7.26	4	22	√	√	√	√	455
PAR170	18,200	26	41	26	H	1725	T	1¾	1	230	1	1650	950	1	1/12	3.07	3	22	√	√	√	√	235
1PAR31*	33,200	30	45½	30	H	1725	T	3	1	230	1	2800	800	1	¼	5.06	3	22	√	√	√	√	350
1PAR51*	56,000	36	51	36	H	1725	T	5	1	230	1	4200	650	1	½	7.56	4	22	√	√	√	√	510
PA83C	85,600	62	56	35	SH	1750	C	7½	3	208/220	2	7500	.....	1	1½	13	5	22	....	....	....	√	1400
PA103C	110,000	62	56	35	SH	1750	C	10	3	208/220	2	8600	.....	1	2	13	7	22	....	....	....	√	1460
PA153C	171,200	**	**	35	SH	1750	C	(2)7½ (1)7½	3	208/220	2	15,000	.....	2	1½ (1)1½	26	10	22	....	....	....	√	2800
PA183C	195,600	**	**	35	SH	1750	C	(1)10	3	208/220	2	16,100	.....	2	(1)2	26	12	22	....	....	....	√	2860
PA203C	220,000	**	**	35	SH	1750	C	(2)10	3	208/220	2	17,200	.....	2	(2)2	26	14	22	....	....	....	√	2940
*Also available in 3 phase. **124 x 56, or 62 x 112.																							
Philco Corp., Tioga & C St., Philadelphia, Pa. — "Philco"																							
AC2080-10	21,000	30⅛	23¾	27⅞	H	1725	T	2	1	230	1	1900	1075	1	⅓	3.64	2	22	√	√	√	√	205
AC3080-10*	30,100	30⅛	23¾	27⅞	H	1725	T	3	1	230	1	1700	1075	1	⅓	3.64	3	22	√	√	√	√	255
AC3580-10*	35,100	30⅛	28¾	27⅞	H	1725	T	3	1	230	1	1800	1075	1	⅓	4.5	3	22	√	√	√	√	268
AC5080-10*	58,300	48⅛	28¾	31⅞	H	1725	T	5	1	230	2	4000	1075	1	(2)⅓	7.8	3	22	√	√	√	√	465
*Also available in 3 phase.																							
O. A. Sutton Corp., Inc., 1812 W. Second St., Wichita, Kan. — "Vornado"																							
RC201-2	23,100	30	23¾	27¾	H	1720	T	2	1	230	1	1900	1140	1	⅓	3.6	2	22	√	√	√	√	242
RC301-2*	32,200	30	23¾	27¾	H	1720	T	3	1	230	1	1700	1140	1	⅓	3.6	3	22	√	√	√	√	256
RC351-2*	37,100	30	28¾	27¾	H	1720	T	3½	1	230	1	1800	1140	1	⅓	4.6	3	22	√	√	√	√	270
RC501-2*	60,600	48½	28¾	31¾	H	1720	T	5	1	230	2	4000	1140	2	⅓	7.8	3	22	√	√	√	√	465
*Also available in 3 phase.																							
Cobell Industries, Inc., Meacham Field, P. O. Box 1157, Fort Worth, Texas — "Rangaire"																							
A573	36,500	35½	26	48¾	SH	1750	C	3	1—3	230/220	1	2600	640	1	½	4.6	4	12	√	√	√	....	495
A574	47,600	35½	26	48¾	SH	1750	C	5	1—3	230/220	1	3100	700	1	½	6.1	4	12	√	√	√	....	600
A575	57,700	35½	27	48¾	SH	1750	C	5	1—3	230/220	1	3800	750	1	½	7.6	4	12	√	√	√	....	635
A573	37,300	35½	26	48¾	SH	1750	C	3	1—3	230/220	1	2600	640	.	½	4.6	4	22	√	√	√	....	510
A574	47,800	35½	26	48¾	SH	1750	C	4	1—3	230/220	1	3100	700	1	½	6.1	4	22	√	√	√	....	565
A575	63,200	35½	27	48¾	SH	1750	C	5	1—3	230/220	1	3800	750	1	½	7.6	4	22	√	√	√	....	575
Meyer Furnace Co., 1300 S. Washington, Peoria, Ill. — "Meyer"																							
HACRH-2	22,500	36	24	44	H	.....	T	2	1—3	230	10	1800	.....	..	¼	4.5	3	22	√	√	√	√	410
HACRH-3	35,300	36	24	44	H	.....	T	3	1—3	230	12	2500	.....	..	½	6.4	3	22	√	√	√	√	440
HACRH-5	60,000	41½	28	53	H	.....	T	5	1—3	230	15	3500	.....	..	½	8.3	4	22	√	√	√	√	625
HACRP-2	22,500	30	33	30	H	.....	T	2	1—3	230	24	.....	530	..	⅛	4.5	3	22	√	√	√	√	265
HACRP-3	35,300	30	33	30	H	.....	T	3	1—3	230	24	.....	710	..	¼	6.4	3	22	√	√	√	√	290
HACRP-5	59,100	36	35	36	H	.....	T	5	1—3	230	30	.....	640	..	½	8.3	4	22	√	√	√	√	455

FURNACE-COOLING COMBINATIONS

Model No.	Cooling Capacity BTUH	Heating Capacity BTUH Output	Fuel (Gas or Oil)	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	No.	Evap. Blower CFM	RPM	Evap. Blower Motor No.	HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Air Filter No.	Size (In.)	Net Wt. (lb.)
Cond-Air Div., Elliott Engineering Co., Inc., 10608 Santa Fe, South Gate, Calif. — "Cond-Air"																					
AC 20 PA	24,000	68,000	Gas	H	1725	T	2	1—3	220	1	850 1050	850 700	1	⅛	AR	2.22	4	22	1	1x14x25	575
AC 30 PA	34,800	84,000	Gas	H - SH	1725	T	3	1—3	220	1	1200 1450	850 700	1	⅓	AR	3.33	4	22	1	1x16x25	650
AC 50 PA	60,000	120,000	Gas	H - SH	1725	T	5	1—3	220	1	2000	850	1	½	AR	5.00	4	22	2	1x14x25	990
EC 30 PA	36,000	.....													WR						700
EC 50 PA	60,000	.....													WR						1100

NOTE: All water cooled condensers listed are integrated evaporative condensers. Capacities at 105° condensing.

FURNACE-COOLING COMBINATIONS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTUH Output	Fuel (Gas or Oil)	Compressor Type	Compressor RPM	Compressor Make	Compressor Motor HP	Compressor Motor Phase	Compressor Motor Voltage	Evap. Blower No.	Evap. Blower CFM	Evap. Blower RPM	Evap. Blower Motor No.	Evap. Blower Motor HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Air Filter No.	Air Filter Size (In.)	Net Wt. (lb.)
Columbia Specialty Co. Inc., 4925 Bradley Blvd., Chevy Chase, Md. — "Columbia"																					
2 CU	24,000	72,000	Gas & Oil	H	1725	T	2	1	230	1	720	700	1	1/6	A	2.09	3	22	1	16x20x1	280
3 CU	36,000	120,000	Gas & Oil	H	1725	T	3	1	230	2	12000	700	1	1/4	A	3.12	3	22	1	20x25x1	450
5 CU	60,000	200,000	Gas & Oil	H	1725	T	5	1	230	1	2000	400	1	1/2	A	6.24	3	22	2	20x25x1	700
Sequoia Mfg. Co., 1090 Brittan Ave., San Carlos, Calif. — "Sequoia"																					
2ACR	24,000	75,000	Gas	H	.....	T	2	1—3	230/220	..	800	930	1	1/6	AR	1.75*	2	22	1	14x25	.....
	24,000	80,000	Gas	H	.....	T	2	1—3	230/220	..	800	960	1	1/4	AR	1.75*	2	22	..	.....	.....
	24,000	90,000	Gas	H	.....	T	2	1—3	230/220	..	800	910	1	1/6	AR	1.75*	2	22	1	20x25	.....
	24,000	100,000	Gas	H	.....	T	2	1—3	230/220	..	800	895	1	1/4	AR	1.75*	2	22	..	.....	.....
	24,000	112,000	Gas	H	.....	T	2	1—3	230/220	..	800	910	1	1/6	AR	1.75*	2	22	1	20x25	.....
	24,000	120,000	Gas	H	.....	T	2	1—3	230/220	..	800	730	1	1/4	AR	1.75*	2	22	..	.....	.....
3ACR	36,000	90,000	Gas	H	.....	T	3	1—3	230/220	..	1200	1110	1	1/3	AR	2.5*	2	22	1	20x25	.....
	36,000	100,000	Gas	H	.....	T	3	1—3	230/220	..	1200	1050	1	1/3	AR	2.5*	2	22	..	.....	.....
	36,000	112,000	Gas	H	.....	T	3	1—3	230/220	..	1200	1110	1	1/3	AR	2.5*	2	22	1	20x25	.....
	36,000	120,000	Gas	H	.....	T	3	1—3	230/220	..	1200	700	1	1/4	AR	2.5*	2	22	..	.....	.....
	36,000	150,000	Gas	H	.....	T	3	1—3	230/220	..	1200	670	1	1/4	AR	2.5*	2	22	2	14x25	.....
5ACR	58,800	150,000	Gas	SH	.....	C	5	1—3	230/208/220	..	2000	795	1	1/2	AR	4.43*	2	12	2	14x25	.....
																			1	14x25	
	58,800	187,000	Gas	SH	.....	C	5	1—3	230/208/220	..	2000	1080	1	1/2	AR	4.43*	2	12	1	16x25	.....
																			1	16x25	
	58,800	225,000	Gas	SH	.....	C	5	1—3	230/208/220	..	2000	880	1	1/2	AR	4.43*	2	12	1	20x25	.....
*Inner fin construction.																					
Alco Refrigeration Sales & Service, Inc., 3952 St. Clair Ave., Cleveland, Ohio — "Airmaster"																					
CH750	90,000	180,000	Gas	SH	1750	B-W	7½	3	208/220	2	3000	760	1	1	A	6.25	4	22	2	20x25	1650
Mueller Climatrol, Div. of Worthington Corp., 2005 W. Oklahoma Ave., Milwaukee, Wis. — "Mueller Climatrol"																					
906-21	26,050	.....	.....	H	1750	T	2	1	230	1	800	Var.	1	1/4	W	2.40	3	22	..	.....	660
906-31*	36,900	.....	.....	H	1750	T	3	1	230	1	1200	Var.	1	1/4	W	3.84	3	22	..	.....	700
906-51*	59,500	.....	.....	SH	1750	O	5	1	230	1	2000	Var.	1	1/2	W	5.33	4	22	..	.....	850
124-100	.....	80,000	Gas	....	.....	..	..	..	.....	..	.....	.....	..	....	....	.....	..	....	..	20x25x2	420
124-125	.....	100,000	Gas	....	.....	..	..	..	.....	..	.....	.....	..	....	....	.....	..	....	..	20x25x2	515
124-150	.....	120,000	Gas	....	.....	..	..	..	.....	..	.....	.....	..	....	....	.....	..	....	.	(2)16x20x2	545
224-100	.....	80,000	Oil	....	.....	..	..	..	.....	..	.....	.....	..	....	....	.....	..	....	..	20x25x2	525
224-125	.....	100,000	Oil	....	.....	..	..	..	.....	..	.....	.....	..	....	....	.....	..	....	..	20x25x2	585
224-150	.....	120,000	Oil	....	.....	..	..	..	.....	..	.....	.....	..	....	....	.....	..	....	..	(2)16x20x2	640
Summer Air Conditioner and Furnace are housed in separate casings — customer has choice of gas or oil furnace companion unit. *Also available in 3 phase.																					
Bryant Mfg. Co., 2020 Montcalm St., Indianapolis, Ind. — "Bryant"																					
25-577	23,200	80,000	Gas	H	1725	B-W	2	1	230	1	800	1050	1	1/6	A	3.75	2	22	1	16x25x1	530
Permaglas Div., A. O. Smith Corp., 147 S. Indiana, P. O. Box 28, Kankakee, Ill. — "Permaglas"																					
YAC-100-24W-1	24,760	80,000	Gas	H	1725	T	2	1	230	1	800	970	1	1/4	W	2.04	4	22	2	15x20	558
YAC-100-36W-1*	38,650	80,000	Gas	H	1725	T	3	1	230	1	1200	1250	1	1/3	W	2.92	4	22	2	15x20	587
YAC-150-36W-1*	38,650	120,000	Gas	H	1725	T	3	1	230	1	1200	700	1	1/3	W	2.92	4	22	2	20x25	649
YAC-150-60W-1*	65,800	120,000	Gas	H	1725	T	5	1	230	1	2000	1100	1	3/4	W	4.19	4	22	2	20x25	926
YAC-100-24ABC-1	22,500	80,000	Gas	H	1725	T	2	1	230	1	800	970	1	1/4	AR	2.04	4	22	2	15x20	724
YAC-100-36ABC-1*	35,300	80,000	Gas	H	1725	T	3	1	230	1	1200	1250	1	1/3	AR	2.92	4	22	2	15x20	761
YAC-150-36ABC-1*	35,300	120,000	Gas	H	1725	T	3	1	230	1	1200	700	1	1/3	AR	2.92	4	22	2	20x25	823
YAC-150-60ABC-1*	60,000	120,000	Gas	H	1725	T	5	1	230	1	2000	1100	1	3/4	AR	4.19	4	22	2	20x25	1165
*Also available in 3 phase.																					

FURNACE-COOLING COMBINATIONS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTUH Output	Fuel (Gas or Oil)	Compressor Type	Compressor RPM	Compressor Make	Compressor Motor HP	Compressor Motor Phase	Compressor Motor Voltage	Evap. Blower No.	Evap. Blower CFM	Evap. Blower RPM	Evap. Blower Motor No.	Evap. Blower Motor HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Air Filter No.	Air Filter Size (In.)	Net Wt. (lb.)
C. A. Olsen Mfg. Co., Elyria, Ohio — "Luxaire"																					
2-A-100*	21,500	80,000	Gas	SH	1750	***	2	1	230	1	800/0.2"	800	1	¼	AR	2.43	2	12	1	16x25x1	967
2-O-84*	21,500	84,000	Oil	SH	1750	***	2	1	230	1	800/0.2"	800	1	¼	AR	2.43	2	12	1	16x25x1	1074
3-A-140*	35,700	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	AR	3.3	3	22	1	20x25x1	1194
3-O-112*	35,700	112,000	Oil	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	AR	3.3	3	22	1	20x25x1	1313
5-A-173*	54,800	140,000	Gas	H	1725	T	5	1—3	230/208/220	2	2000/0.2"	800	1	½	AR	5.0	3	22	2	25x20x1	1655
5-O-140*	54,800	140,000	Oil	H	1725	T	5	1—3	230/208/220	2	2000/0.2"	800	1	½	AR	5.0	3	22	2	25x20x1	1783
5-A-140*	54,800	112,000	Gas	H	1725	T	5	1—3	230/208/220	2	2000/0.2"	800	1	½	AR	5.0	3	22	2	25x20x1	1655
5-O-112*	54,800	112,000	Oil	H	1725	T	5	1—3	230/208/220	2	2000/0.2"	800	1	½	AR	5.0	3	22	2	25x20x1	1783
2-HC-100**	21,500	80,000	Gas	SH	1750	***	2	1	230	1	800/0.2"	1000	1	¼	AR	2.43	2	12	1	20x25x1	1063
2-OHC-84**	21,500	84,000	Oil	SH	1750	***	2	1	230	1	800/0.2"	1000	1	¼	AR	2.43	2	12	1	20x25x1	1166
3-HC-140**	35,700	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	AR	3.3	3	22	2	16x20x1	1246
3-OHC-112**	35,700	112,000	Oil	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	AR	3.3	3	22	2	16x20x1	1362
2-A-100‡	23,500	80,000	Gas	SH	1750	***	2	1	230	1	800/0.2"	800	1	¼	W	2.43	2	12	1	16x25x1	692
2-O-84‡	23,500	84,000	Oil	SH	1750	***	2	1	230	1	800/0.2"	800	1	¼	W	2.43	2	12	1	16x25x1	799
3-A-140‡	41,600	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	W	3.3	3	22	1	20x25x1	900
5-O-112‡	41,600	112,000	Oil	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	W	3.3	3	22	1	20x25x1	1019
5-A-175‡	62,900	140,000	Gas	H	1725	Y	5	1—3	230/208/220	2	2000/0.2"	800	1	½	W	5.93	3	22	2	20x25x1	1360
5-O-140‡	62,900	140,000	Oil	H	1725	Y	5	1—3	230/208/220	2	2000/0.2"	800	1	½	W	5.93	3	22	2	20x25x1	1488
5-A-140‡	62,900	112,000	Gas	H	1725	Y	5	1—3	230/208/220	2	2000/0.2"	800	1	½	W	5.93	3	22	2	20x25x1	1360
5-O-112‡	62,900	112,000	Oil	H	1725	Y	5	1—3	230/208/220	2	2000/0.2"	800	1	½	W	5.93	3	22	2	20x25x1	1480
2-HC-100‡‡	23,500	80,000	Gas	SH	1750	***	2	1	230	1	800/0.2"	1000	1	¼	W	2.43	2	12	1	20x25x1	788
2-OHC-84‡‡	23,500	84,000	Oil	SH	1750	***	2	1	230	1	800/0.2"	1000	1	¼	W	2.43	2	12	1	20x25x1	891
3-HC-140‡‡	41,600	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	1000/0.2"	800	1	⅓	W	3.3	3	22	2	16x25x1	952
3-OHC-112‡‡	41,600	112,000	Oil	H	1725	T	3	1—3	230/208/220	1	1000/0.2"	800	1	⅓	W	3.3	3	22	2	16x25x1	1068

*Upflow Units — Air Cooled. **Counterflow Units — Air Cooled. ‡Upflow Units — Water Cooled. ‡‡Counterflow Units — Water Cooled. ***Westinghouse.

Crane Co., 836 S. Michigan Ave., Chicago, Ill. — "Sunnyland"																					
	21,530														AR						967
2-A-100	23,500	80,000	Gas	SH	1750	*	2	1	230	1	800	.....	1	¼	W	2.43	2	12	1	16x25x1	714
	21,530														AR						1043
2-O-84	23,500	84,000	Oil	SH	1750	*	2	1	230	1	800	.....	1	¼	W	2.43	2	12	1	16x25x1	790
	21,530														AR						1063
2-HC-100	23,500	80,000	Gas	SH	1750	*	2	1	230	1	800	.....	1	¼	W	2.43	2	12	1	20x25x1	810
	21,530														AR						1138
2-OHC-84	23,500	84,000	Oil	SH	1750	*	2	1	230	1	800	.....	1	¼	W	2.43	2	12	1	20x25x1	885
	34,300														AR						1194
3-A-140	37,350	112,000	Gas	SH	1750	*	3	1—3	230/208/220	1	1200	.....	1	⅓	W	3.47	2	22	1	20x25x1	900
	34,300														AR						1311
3-O-112	37,350	112,000	Oil	SH	1750	*	3	1—3	230/208/220	1	1200	.....	1	⅓	W	3.47	2	22	1	20x25x1	1017
	34,300														AR						1256
3-HC-140	37,350	112,000	Gas	SH	1750	*	3	1—3	230/208/220	1	1200	.....	1	⅓	W	3.47	2	22	2	16x20x1	962
	34,300														AR						1374
3-OHC-112	37,350	112,000	Oil	SH	1750	*	3	1—3	230/208/220	1	1200	.....	1	⅓	W	3.47	2	22	2	16x20x1	1080
	54,600					*									AR	5.93		12			1776
5-A-175	62,900	140,000	Gas	SH	1750	**	5	1—3	230/208/220	1	2000	.....	1	½	W	5.95	3	22	2	20x25x1	1360
	54,600					*									AR	5.93		12			1843
5-A-140	62,900	112,000	Gas	SH	1750	**	5	1—3	230/208/220	1	2000	.....	1	½	W	5.95	3	22	2	20x25x1	1488
	54,600					*									AR	5.93		12			1776
5-O-140	62,900	140,000	Oil	SH	1750	**	5	1—3	230/208/220	1	2000	.....	1	½	W	5.95	3	22	2	20x25x1	1360
	54,600					*									AR	5.93		12			1843
5-O-112	62,900	112,000	Oil	SH	1750	**	5	1—3	230/208/220	1	2000	.....	1	½	W	5.95	3	22	2	20x25x1	1488

*Westinghouse. **York.

Bard Mfg. Co., Evansport Road, Bryan, Ohio — "Bard"																					
F95AC21	22,500	95,000	Oil	H	.....	T	2	1	230	1	800	875	1	⅓	AR	2.04	4	22	1	20x25x1	950
F95AC31	35,300	95,000	Oil	H	.....	T	3	1	230	1	1200	920	1	⅓	AR	2.92	4	22	1	20x25x1	980
G110AC21	22,500	88,000	Gas	H	.....	T	2	1	230	1	800	875	1	⅓	AR	2.04	4	22	1	20x25x1	900
G110AC31	35,300	88,000	Gas	H	.....	T	3	1	230	1	1200	920	1	⅓	AR	2.92	4	22	1	20x25x1	935
F95AF201	28,350	95,000	Oil	SH	.....	C	2	1	230	1	800	875	1	⅓	WR	2.13	3	12	1	20x25x1	1070
F95AF301	42,525	95,000	Oil	SH	.....	C	3	1	230	1	1200	920	1	⅓	WR	2.38	4	12	1	20x25x1	1220
G110AF201	28,350	88,000	Gas	SH	.....	C	2	1	230	1	800	875	1	⅓	WR	2.13	3	12	1	20x25x1	990
G110AF301	42,525	88,000	Gas	SH	.....	C	3	1	230	1	1200	920	1	⅓	WR	2.38	4	12	1	20x25x1	1140

FURNACE-COOLING COMBINATIONS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTUH Output	Fuel (Gas or Oil)	Compresser Type	Compresser RPM	Compresser Make	Compresser Motor HP	Compresser Motor Phase	Compresser Motor Voltage	Evap. Blower No.	Evap. Blower CFM	Evap. Blower RPM	Evap. Blower Motor No.	Evap. Blower Motor HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Air Filter No.	Air Filter Size (In.)	Net Wt. (lb.)
Henry Furnace Co., Medina, Ohio — "Moncrief"																					
2-A-100*	21,500	80,000	Gas	SH	1750	***	2	1	230	1	800/0.2"	800	1	¼	AR	2.43	2	12	1	16x25x1	967
2-O-84*	21,500	84,000	Oil	SH	1750	***	2	1	230	1	800/0.2"	800	1	¼	AR	2.43	2	12	1	16x25x1	1074
3-A-140*	35,700	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	AR	3.3	3	22	1	20x25x1	1194
3-O-112*	35,700	112,000	Oil	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	AR	3.3	3	22	1	20x25x1	1313
5-A-175*	54,800	140,000	Gas	H	1725	***	2	1	230	1	2000/0.2"	800	1	½	AR	5.0	3	22	2	25x20x1	1655
5-O-140*	54,800	140,000	Oil	H	1725	***	2	1	230	1	2000/0.2"	800	1	½	AR	5.0	3	22	2	25x20x1	1783
5-O-112*	54,800	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	2000/0.2"	800	1	½	AR	5.0	3	22	2	25x20x1	1655
5-A-140*	54,800	112,000	Oil	H	1725	T	3	1—3	230/208/220	1	2000/0.2"	800	1	½	AR	5.0	3	22	2	25x20x1	1783
2-HC-100**	21,500	80,000	Gas	SH	1750	T	5	1—3	230/208/220	2	800/0.2"	1000	1	¼	AR	2.43	2	12	1	20x25x1	1063
2-OHC-84**	21,500	84,000	Oil	SH	1750	T	5	1—3	230/208/220	2	800/0.2"	1000	1	¼	AR	2.43	2	12	1	20x25x1	1166
3-HC-140**	35,700	112,000	Gas	H	1725	T	5	1—3	230/208/220	2	1200/0.2"	800	1	⅓	AR	3.3	3	22	2	16x20x1	1246
3-OHC-112**	35,700	112,000	Oil	H	1725	T	5	1—3	230/208/220	2	1200/0.2"	800	1	⅓	AR	3.3	3	22	2	16x20x1	1362
2-A-100‡	23,500	80,000	Gas	SH	1750	***	2	1	230	1	800/0.2"	800	1	¼	W	2.43	2	12	1	16x25x1	692
2-O-84‡	23,500	84,000	Oil	SH	1750	***	2	1	230	1	800/0.2"	800	1	¼	W	2.43	2	12	1	16x25x1	799
3-A-140‡	41,600	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	W	3.3	3	22	1	20x25x1	900
3-O-112‡	41,600	112,000	Oil	H	1725	T	3	1—3	230/208/220	1	1200/0.2"	800	1	⅓	W	3.3	3	22	1	20x25x1	1019
5-A-175‡	62,900	140,000	Gas	H	1725	Y	5	1—3	230/208/220	2	2000/0.2"	800	1	½	W	5.93	3	22	2	20x25x1	1360
5-O-140‡	62,900	140,000	Oil	H	1725	Y	5	1—3	230/208/220	2	2000/0.2"	800	1	½	W	5.93	3	22	2	20x25x1	1488
5-A-140‡	62,900	112,000	Gas	H	1725	Y	5	1—3	230/208/220	2	2000/0.2"	800	1	½	W	5.93	3	22	2	20x25x1	1360
5-O-112‡	62,900	112,000	Oil	H	1725	Y	5	1—3	230/208/220	2	2000/0.2"	800	1	½	W	5.93	3	22	2	20x25x1	1480
2-HC-100‡‡	23,500	80,000	Gas	SH	1750	***	2	1	230	1	800/0.2"	1000	1	¼	W	2.43	2	12	1	20x25x1	788
2-OHC-84‡‡	23,500	84,000	Oil	SH	1750	***	2	1	230	1	800/0.2"	1000	1	¼	W	2.43	2	12	1	20x25x1	891
3-HC-140‡‡	41,600	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	1000/0.2"	800	1	⅓	W	3.3	3	22	2	16x25x1	952
3-OHC-112‡‡	41,600	112,000	Oil	H	1725	T	3	1—3	230/208/220	1	1000/0.2"	800	1	⅓	W	3.3	3	22	2	16x25x1	1068

*Upflow Units — Air Cooled. **Counterflow Units — Air Cooled. ‡Upflow Units — Water Cooled. ‡‡Counterflow Units — Water Cooled.

American Furnace Co., 1300 Hampton Ave., St. Louis, Mo. — "AFCO Comfortmaker"																					
SH105 CM2A-1	22,000	84,000	Gas	H	1750	T	2	1	230	1	850	6-800	1	⅓	AR	2.5	3	22	2	16x25	.....
SH150 CM-3A	34,000	84,000	Gas	H	1750	T	3	1—3	230/220	1	1200	6-800	1	½	AR	3.15	4	22	2	16x25	.....
SH120 CM2A-1	22,000	96,000	Gas	H	1750	T	2	1	230	1	850	6-800	1	⅓	AR	2.15	4	22	2	16x25	.....
SH120 CM-3A	34,000	96,000	Gas	H	1750	T	3	1—3	230/220	1	1200	6-800	1	½	AR	3.15	4	22	2	16x25	.....
SH150 CM-3A	34,000	120,000	Gas	H	1750	T	3	1—3	230/220	1	1200	6-800	1	½	AR	3.15	4	22	2	15x30⅛	.....
SH180 CM-4A	47,500	144,000	Gas	H	1750	T	4	1—3	230/220	1	1600	6-800	1	¾	AR	4.1	3	22	4	16x20	.....
SH180 CM-5A	60,000	144,000	Gas	H	1750	T	5	1—3	230/220	1	2000	6-800	1	¾	AR	4.1	4	22	4	16x20	.....
SH105 CM-2T	24,000	84,000	Gas	H	1750	T	2	1	230	1	850	6-800	1	⅓	W	2.5	3	22	2	16x25	.....
SH105 CM-3T	36,000	84,000	Gas	H	1750	T	3	1—3	230/220	1	1200	6-800	1	½	W	3.15	4	22	2	16x25	.....
SH120 CM-2T	24,000	96,000	Gas	H	1750	T	2	1	230	1	850	6-800	1	⅓	W	2.15	4	22	2	16x25	.....
SH120 CM-3T	36,000	96,000	Gas	H	1750	T	3	1—3	230/220	1	1200	6-800	1	½	W	3.15	4	22	2	16x25	.....
SH150 CM-3T	36,000	120,000	Gas	H	1750	T	3	1—3	230/220	1	1200	6-800	1	½	W	3.15	4	22	2	15x30⅛	.....
SH180 CM5T-2	60,000	144,000	Gas	H	1750	T	5	1—3	230/220	1	2000	6-800	1	¾	W	4.1	4	22	4	16x20	.....

Carrier Corp., 300 S. Geddes St., Syracuse, N. Y.																					
38C2	24,000	84,000	Gas & Oil	H	1750	O	2	1—3	230/208 220/440/550	1	900	789	1	¼	W AR	2.77	2	12-W C-500-A	1	20x25	680
38C4	36,000	112,000	Gas & Oil	H	1750	O	3	1—3	230/208 220/440/550	1	1350	883	1	⅓	W AR	3.67	2	22-W 12-A	1	16x25	800

Wright Mfg. Co., 2902 W. Thomas Rd., Phoenix, Ariz.																					
2LPFG-1	23,000	40,000	Gas	H	1725	T	2	1	230	1	750	950	1	¼	A	2.1	4	22	..	.....	605
2PFG-1	24,400	40,000	Gas	H	1725	T	2	1	230	1	850	1035	1	¼	A	2.4	4	22	..	.....	630

FURNACE-COOLING COMBINATIONS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTUH Output	Fuel (Gas or Oil)	Compressor Type	Compressor RPM	Compressor Make	Compressor Motor HP	Compressor Motor Phase	Compressor Motor Voltage	Evap. Blower No.	Evap. Blower CFM	Evap. Blower RPM	Evap. Blower Motor No.	Evap. Blower Motor HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Air Filter No.	Air Filter Size (In.)	Net Wt. (lb.)
Holly-General Co., Div. of Siegler Corp., 875 Arroyo Parkway, Pasadena, Calif. — "Holly"																					
70VF-2A	22,000	56,000	Gas	H	1725	T	2	1	230	1	800	.....	1	¼	AR	1.60	4	22	1	16x20x1	.....
80VF-2A	22,000	64,000	Gas	H	1725	T	2	1	230	1	800	.....	1	¼	AR	1.60	4	22	1	16x20x1	.....
90VF-2A	22,000	72,000	Gas	H	1725	T	2	1	230	1	800	.....	1	¼	AR	1.60	4	22	1	16x20x1	.....
100VF-2A	22,000	80,000	Gas	H	1725	T	2	1	230	1	800	.....	1	¼	AR	1.60	4	22	1	16x20x1	.....
70CF-2A	22,000	56,000	Gas	H	1725	T	2	1	230	1	800	.....	1	¼	AR	1.60	4	22	2	10x20x1	.....
80CF-2A	22,000	64,000	Gas	H	1725	T	2	1	230	1	800	.....	1	¼	AR	1.60	4	22	2	10x20x1	.....
90CF-2A	22,000	72,000	Gas	H	1725	T	2	1	230	1	800	.....	1	¼	AR	1.60	4	22	2	10x20x1	.....
100CF-2A	22,000	80,000	Gas	H	1725	T	2	1	230	1	800	.....	1	¼	AR	1.60	4	22	2	10x20x1	.....
70VF-3A	35,600	56,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	2.75	3	22	2	16x20x1	.....
80VF-3A	35,600	64,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	2.75	3	22	2	16x20x1	.....
90VF-3A	35,600	72,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	2.75	3	22	2	16x20x1	.....
100VF-3A	35,600	80,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	2.75	3	22	2	16x20x1	.....
120VF-3A	35,600	96,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	2.75	3	22	2	16x20x1	.....
140VF-3A	35,600	112,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	2.75	3	22	2	16x20x1	.....
70CF-3A	35,600	56,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	3.00	3	22	2	16x20x1	.....
80CF-3A	35,600	64,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	3.00	3	22	2	16x20x1	.....
90CF-3A	35,600	72,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	3.00	3	22	2	16x20x1	.....
100CF-3A	35,600	80,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	3.00	3	22	2	16x20x1	.....
120CF-3A	35,600	96,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	3.00	3	22	2	16x20x1	.....
140CF-3A	35,600	112,000	Gas	H	1725	T	3	1—3	230	1	1200	.....	1	½	AR	3.00	3	22	2	16x20x1	.....
70VF-3½A	42,000	56,000	Gas	H	1725	T	3	1—3	230	1	1400	.....	1	½	AR	2.75	4	22	2	16x20x1	.....
80VF-3½A	42,000	64,000	Gas	H	1725	T	3	1—3	230	1	1400	.....	1	½	AR	2.75	4	22	2	16x20x1	.....
90VF-3½A	42,000	72,000	Gas	H	1725	T	3	1—3	230	1	1400	.....	1	½	AR	2.75	4	22	2	16x20x1	.....
100VF-3½A	42,000	80,000	Gas	H	1725	T	3	1—3	230	1	1400	.....	1	½	AR	2.75	4	22	2	16x20x1	.....
120VF-3½A	42,000	96,000	Gas	H	1725	T	3	1—3	230	1	1400	.....	1	½	AR	2.75	4	22	2	16x20x1	.....
140VF-3½A	42,000	112,000	Gas	H	1725	T	3	1—3	230	1	1400	.....	1	½	AR	2.75	4	22	2	16x20x1	.....
120CF-3½A	42,000	96,000	Gas	H	1725	T	3	1—3	230	1	1400	.....	1	½	AR	3.00	4	22	2	16x20x1	.....
140CF-3½A	42,000	112,000	Gas	H	1725	T	3	1—3	230	1	1400	.....	1	½	AR	3.00	4	22	2	16x20x1	.....
120VF-4A	48,000	96,000	Gas	H	1725	T	4	1—3	230	1	1600	.....	1	½	AR	4.00	3	22	2	20x20x1	.....
140VF-4A	48,000	112,000	Gas	H	1725	T	4	1—3	230	1	1600	.....	1	½	AR	4.00	3	22	2	20x20x1	.....
120CF-4A	48,000	96,000	Gas	H	1725	T	4	1—3	230	1	1600	.....	1	½	AR	4.00	3	22	2	20x20x1	.....
140CF-4A	48,000	112,000	Gas	H	1725	T	4	1—3	230	1	1600	.....	1	½	AR	4.00	3	22	2	20x20x1	.....
140VF-5A	60,000	112,000	Gas	H	1725	T	5	1—3	230	2	2000	.....	1	½	AR	4.00	3	22	4	15x20x1	.....
140CF-5A	60,000	112,000	Gas	H	1725	T	5	1—3	230	2	2000	.....	1	½	AR	4.00	3	22	4	14x20x1	.....
General Air Conditioning Corp., 4542 E. Dunham St., Los Angeles, Calif.																					
IRC27	24,00	.....	.....	H	1725	T	2½	1	220	1**	1000	1050	1**	⅛	AR	1.65	2	22	..	.....	300
IRC37	37,700	.....	.....	H	1725	T	3½	1	220	1**	1200	1080	1**	⅓	AR	2.8	4	22	..	.....	340
IRC57	65,500	.....	.....	H	1725	T	6½	1—3	220	1**	2000	650	1**	¾	AR	6.4	4	22	..	.....	540
IRC757	98,250	.....	.....	H	1725	*	8¾	3	220	1**	3200	650	1**	1	AR	6.8	4	22	..	.....	900
IRC107	131,000	.....	.....	H	1725	T	13	3	220	1**	4200	600	1**	1½	AR	10	4	22	..	.....	1170
MEC27	24,000	.....	.....	H	1725	T	2½	1	220	1**	1000	1050	1**	⅛	AR	1.65	2	22	..	.....	300
MEC37	37,700	.....	.....	H	1725	T	3½	1	220	1**	1200	1080	1**	⅓	AR	2.8	4	22	..	.....	340
MEC57	65,500	.....	.....	H	1725	T	6½	1—3	220	1**	2000	650	1**	¾	AR	6.4	4	22	..	.....	540
*York. **Not furnished.																					
Janitrol Heating & Air Conditioning Div., Surface Combustion Corp., 400 Dublin Ave., Columbus, Ohio																					
CVS100-65	21,800	80,000	Gas	H	1725	T	2	1	230	1	800	880	1	⅓	AR	2.36	3	22	2	16x20x1	385
CVS100-65	34,900	80,000	Gas	H	1725	T	3	1—3	230/208/220	1	1200	825	1	½	AR	2.60	4	22	2	16x20x1	385
CVS140-65	34,900	112,000	Gas	H	1725	T	3	1—3	230/208/220	1	1200	810	1	½	AR	2.60	4	22	2	16x25x1	455
CVS140-65	47,500	112,000	Gas	SH	1750	*	5	.....	.....	1	1600	860	1	½	AR	4.58	3	12	2	16x25x1	455
CVS140-65	58,300	112,000	Gas	H	1725	T	5	1—3	230/208/220	1	2000	975	1	¾	AR	4.58	3	22	2	16x25x1	455
CVC80-85	21,400	64,000	Gas	H	1725	T	2	1	230	1	630	1000	1	¼	AR	1.91	3	22	1	16x25x1	350
CVC120-85	21,400	96,000	Gas	H	1725	T	2	1	230	1	630	830	1	¼	AR	1.91	3	22	2	16x20x1	430
CVC120-85	34,700	96,000	Gas	H	1725	T	3	1—3	230/208/220	1	1050	830	1	⅓	AR	3.13	3	22	2	16x20x1	430
CVC160-85	34,700	128,000	Gas	H	1725	T	3	1—3	230/208/220	1	1050	760	1	½	AR	3.13	3	22	2	16x25x1	495
CVC160-85	45,600	128,000	Gas	SH	1750	*	5	1—3	230/208/220	1	1230	820	1	½	AR	4.72	3	12	2	16x25x1	495
CVC160-85	56,700	128,000	Gas	H	1725	T	5	1—3	230/208/220	1	1720	725	1	½	AR	4.72	3	22	2	16x25x1	495
CVC200-85	45,600	160,000	Gas	SH	1750	*	5	1—3	230/208/220	1	1230	700	1	½	AR	4.72	3	12	4	16x20x1	530
CVC200-85	56,700	160,000	Gas	H	1725	T	5	1—3	230/208/220	1	1720	750	1	½	AR	4.72	3	22	4	16x20x1	530
CVC200-85	74,900	160,000	Gas	SH	1750	*	7½	3	208/220	2	2140	700	1	½	AR	6.20	3	12	4	16x20x1	530

Evaporator Coil size is specified at time of order. *Westinghouse.

FURNACE-COOLING COMBINATIONS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTUH Output	Heating Fuel (Gas or Oil)	Compressor Type	Compressor RPM	Compressor Motor Make	Compressor Motor HP	Compressor Motor Phase	Compressor Motor Voltage	Evap. Blower No.	Evap. Blower CFM	Evap. Blower RPM	Evap. Blower Motor No.	Evap. Blower Motor HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Air Filter No.	Air Filter Size (In.)	Net Wt. (lb.)
Electric Heating & Cooling, Inc., 890 Broadway, Newark, N. J.																					
77*	4800	11,400	Elec.	---	.....	C	(2)15	1—3	110/220	--	.....	.....	--	---	---	.....	--	12	1	9½x10½	40
55**	4800	11,400	Gas & Oil	---	.....	C	(2)15	1—3	110/220	--	.....	.....	--	---	---	.....	--	12	1	9½x10½	35
*Self contained remote electric water heater for room heating. **Requires a remote heating plant and a remote water chiller. Any make remotely located water chiller may be used for this equipment.																					
York Corp., Subsidiary of Borg-Warner Corp., Grantley Rd., York, Pa. — "Yorkaire Patrician"																					
CUK 75G-21	24,800	60,000	Gas	H	1750	O	(2)1	1	230/208	1	800	.....	1	¼	W-AR	2.6	3	22	2	16x25x1	.....
CUK 105G-31	36,000	84,000	Gas	H	1750	O	(2)1½	1	230/208	1	1200	.....	1	⅓	W-AR	3.8	3	22	2	20x25x1	.....
R2F84	24,800	84,000	Oil	H	1750	O	(2)1	1	230/208	1	850	.....	1	¼	W-AR	2.6	3	22	1	16x25x1	.....
R2G100	24,800	80,000	Gas	H	1750	O	(2)1	1	230/208	1	850	.....	1	¼	W-AR	2.6	3	22	1	16x25x1	.....
R3F112	36,000	112,000	Oil	H	1750	O	(2)1½	1	230/208	1	1175	.....	1	⅓	W-AR	3.8	3	22	1	20x25x1	.....
R3G140	36,000	112,000	Gas	H	1750	O	(2)1½	1	230/208	1	1175	.....	1	⅓	W-AR	3.8	3	22	1	20x25x1	.....
C2F84	24,800	84,000	Oil	H	1750	O	(2)1	1	230/208	1	800	.....	1	¼	W-AR	2.6	3	22	1	20x25x1	.....
C2G100	24,800	80,000	Gas	H	1750	O	(2)1	1	230/208	1	800	.....	1	¼	W-AR	2.6	3	22	1	20x25x1	.....
C3F112	36,000	112,000	Oil	H	1750	O	(2)1½	1	230/208	1	1175	.....	1	⅓	W-AR	3.8	3	22	2	16x20x1	.....
C3G140	36,000	112,000	Gas	H	1750	O	(2)1½	1	230/208	1	1175	.....	1	⅓	W-AR	3.8	3	22	2	16x20x1	.....
R5F140	63,000	140,000	Oil	H	1750	O	5	1—3	230/208/220	2	2000	.....	1	½	W-AR	5.9	3	22	2	20x25x1	.....
R5G175	63,000	140,000	Gas	H	1750	O	5	1—3	230/208/220	2	2000	.....	1	½	W-AR	5.9	3	22	2	20x25x1	.....
American-Standard Corp., Air Conditioning Div., 40 West 40th St., New York, N. Y. — "American-Standard"																					
C-75-G-2W	25,000	60,000	Gas	H	1725	T	2	1	230	1	800	780	1	¼	W	2.11	3	22	1	20x25x1	590
C-100-G-2W	25,000	80,000	Gas	H	1725	T	2	1	230	1	800	690	1	⅓	W	2.11	3	22	1	20x25x1	635
C-100-G-3W	37,000	80,000	Gas	H	1725	T	3	1	230	1	1200	850	1	⅓	W	2.53	4	22	1	20x25x1	657
C-125-G-2W	25,000	100,000	Gas	H	1725	T	2	1	230	1	800	720	1	⅓	W	2.11	3	22	1	20x25x1	654
C-125-G-3W	37,000	100,000	Gas	H	1725	T	3	1	230	1	1200	850	1	⅓	W	2.53	4	22	1	20x25x1	676
C-150-G-2W	25,000	120,000	Gas	H	1725	T	2	1	230	1	800	750	1	⅓	W	2.11	3	22	2	16x25x1	673
C-150-G-3W	37,000	120,000	Gas	H	1725	T	3	1	230	1	1200	850	1	⅓	W	2.53	4	22	2	16x25x1	695
C-75-G-2AC*	21,600	60,000	Gas	H	1725	T	2	1	230	1	800	780	1	¼	AR	2.11	3	22	1	20x25x1	750
C-100-G-2AC*	21,600	80,000	Gas	H	1725	T	2	1	230	1	800	690	1	⅓	AR	2.11	3	22	1	20x25x1	798
C-100-G-3AC*	31,600	80,000	Gas	H	1725	T	3	1	230	1	1200	850	1	⅓	AR	2.53	4	22	1	20x25x1	826
C-125-G-2AC*	21,600	100,000	Gas	H	1725	T	2	1	230	1	800	720	1	⅓	AR	2.11	3	22	1	20x25x1	817
C-125-G-3AC*	31,600	100,000	Gas	H	1725	T	3	1	230	1	1200	850	1	⅓	AR	2.53	4	22	1	20x25x1	845
C-150-G-2AC*	21,600	120,000	Gas	H	1725	T	2	1	230	1	800	750	1	⅓	AR	2.11	3	22	2	16x25x1	836
C-150-G-3AC*	31,600	120,000	Gas	H	1725	T	3	1	230	1	1200	850	1	⅓	AR	2.53	4	22	2	16x25x1	864
C-85-OB-2W	25,000	85,000	Oil	H	1725	T	2	1	230	1	800	690	1	¼	W	2.11	3	22	1	20x25x1	831
C-85-OB-3W	37,000	85,000	Oil	H	1725	T	3	1	230	1	1200	850	1	¼	W	2.53	4	22	1	20x25x1	853
C-112-OB-2W	25,000	112,000	Oil	H	1725	T	2	1	230	1	800	690	1	⅓	W	2.11	3	22	2	16x25x1	846
C-112-OB-3W	37,000	112,000	Oil	H	1725	T	3	1	230	1	1200	850	1	⅓	W	2.53	4	22	2	16x25x1	868
C-85-OB-2AC	21,600	85,000	Oil	H	1725	T	2	1	230	1	800	690	1	¼	AR	2.11	3	22	1	20x25x1	994
C-85-OB-3AC*	31,600	85,000	Oil	H	1725	T	3	1	230	1	1200	850	1	¼	AR	2.53	4	22	1	20x25x1	1014
C-112-OB-2AC*	21,600	112,000	Oil	H	1725	T	2	1	230	1	800	690	1	⅓	AR	2.11	3	22	2	16x25x1	1004
C-112-OB-3AC*	31,600	112,000	Oil	H	1725	T	3	1	230	1	1200	850	1	⅓	AR	2.53	4	22	2	16x25x1	1024

All models also available in 3 phase. *Condensing unit is remote.

FURNACE-COOLING COMBINATIONS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTUH Output	Fuel (Gas or Oil)	Compressor Type	Compressor RPM	Compressor Make	Compressor Motor HP	Compressor Motor Phase	Compressor Motor Voltage	Evap. Blower No.	Evap. Blower CFM	Evap. Blower RPM	Evap. Blower Motor No.	Evap. Blower Motor HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Air Filter No.	Air Filter Size (In.)	Net Wt. (lb.)
Burnham Corp., Berger Furnace Div., Fourth & Main St., Belle Vernon, Pa. — "Berger & Burnham"																					
BGK75V	17,900	60,000	Gas	H	1725	T	1¾	1	230	1	925	960	1	⅓	AR	2.3	4	22	1	16x25	677
BGK100V	22,500	80,000	Gas	H	1725	T	2	1—3	230/220	1	1234	935	1	⅓	AR	2.3	4	22	1	16x25	717
BGK125V	33,500	100,000	Gas	H	1725	T	3	1—3	230/220	1	1543	864	1	½	AR	2.9	4	22	2	16x25	830
BGK150V	33,500	120,000	Gas	H	1725	T	3	1—3	230/220	1	1851	765	1	½	AR	2.9	4	22	2	16x25	850
BGK175V	60,000	140,000	Gas	H	1725	T	5	1—3	230/220	1	2160	776	1	¾	AR	4.3	4	22	2	16x25	1027
BGK200V	60,000	160,000	Gas	H	1725	T	5	1—3	230/220	1	2469	785	1	¾	AR	4.3	4	22	2	16x25	1049
BGK225V	60,000	180,000	Gas	H	1725	T	5	1—3	230/220	1	2777	814	1	¾	AR	4.3	4	22	2	20x25	1087
BGK250V	60,000	200,000	Gas	H	1725	T	5	1—3	230/220	1	3086	845	1	1	AR	4.3	4	22	2	20x25	1107
BGK75R	17,900	60,000	Gas	H	1725	T	1¾	1	230	1	925	960	1	⅓	AR	2	4	22	1	16x25	686
BGK100R	22,500	80,000	Gas	H	1725	T	2	1—3	230/220	1	1234	935	1	⅓	AR	2	4	22	1	16x25	728
BGK125R	33,500	100,000	Gas	H	1725	T	3	1—3	230/220	1	1543	864	1	½	AR	2.9	4	22	2	16x25	833
BGK150R	33,500	120,000	Gas	H	1725	T	3	1—3	230/220	1	1851	765	1	¾	AR	2.9	4	22	2	16x25	854
BGK175R	60,000	140,000	Gas	H	1725	T	5	1—3	230/220	1	2160	776	1	¾	AR	4	4	22	2	16x25	1046
BGK200R	60,000	160,000	Gas	H	1725	T	5	1—3	230/220	1	2777	785	1	¾	AR	4	4	22	2	16x25	1068

HEAT PUMPS

Model No.	Cooling Capacity BTUH	Heating Capacity BTU/HR 20° F	Cabinet Size (In.) W	H	D	Compressor Type	Compressor RPM	Compressor Make	Compressor Motor HP	Compressor Motor Phase	Compressor Motor Voltage	Evap. Blower No.	Evap. Blower CFM	Evap. Blower RPM	Blower Motor No.	Blower Motor HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	Evap. Coil No. Rows	Refrig. No.	Air Filter No.	Air Filter Size (In.)	Net Wt. (lb.)
Lennox Industries, Inc., Marshalltown, Iowa — "Lennox"																							
RM-21	22,000	18,500*	29½	30¾	39⅝	H	1725	T	2	1	230	1	900	1125	1	½	A	1.87	3	22	1	1x12x24	343
RM-41	36,000	37,300*	36¼	24½	47⅜	H	1725	T	4	1	230	2	1505	1125	1	½	A	2.69	4	22	1	1x14x28	508
*at 35° F.																							
Mercury Div., Lord & Palmer, Inc., Belding, Mich. — "Mercury"																							
HP2-201	22,000	13,500	30⅛	22⅛	33¼	SH	1725	BW	2	1	230	..	.....	.....	..	....	AR	.....	..	22	..	.....	395
HP3-301	35,000	22,000	48⅛	24¼	33⅛	SH	1725	T or C	3	1	230	..	.....	.....	..	....	AR	.....	..	22	..	.....	500
HP3-303	35,000	22,000	48⅛	24¼	33⅛	SH	1725	T or C	3	3	208/220	..	.....	.....	..	....	AR	.....	..	22	..	.....	500
HP3-401	45,000	29,000	58⅛	24¼	33⅛	SH	1725	T or C	4	1	230	..	.....	.....	..	....	AR	.....	..	22	..	.....	580
HP3-403	45,000	29,000	58⅛	24¼	33⅛	SH	1725	T or C	4	3	208/220	..	.....	.....	..	....	AR	.....	..	22	..	.....	580
HP3-501	55,000	36,000	58⅛	28	37⅛	SH	1725	T or C	5	1	230	..	.....	.....	..	....	AR	.....	..	22	..	.....	750
HP3-503	55,000	36,000	58⅛	28	37⅛	SH	1725	T or C	5	3	208/220	..	.....	.....	..	....	AR	.....	..	22	..	.....	750
Gibson Refrigerator Co., Div. of Hupp Corp., Greenville, Mich. — "Gibson"																							
GO-21AH	21,000	.....	29	24	49	H	.....	B-W	2	1	230	1	700	1070	1	½	A	1.75	4	22	..	.....	320
GO-31AH	34,000	.....	29	24	49	H	.....	B-W	(2)1¾	1	230	1	1100	1450	1	¼	A	2.33	5	22	..	.....	520
GO-50H	51,000	.....	36	30	64	H	.....	B-W	(2)2½	1	230	1	1700	.....	1	½	A	3.61	5	22	..	.....	625
Round Oak Co. Inc., Dowagiac, Mich.																							
CPA-3-1	34,000	16,000	25	64½	27	H	1725	T	3	1	230	1	1200	.....	1	½	A	2.65	4	22	1	20x20	480*
CPA-5	55,000	30,000	48	72½	32	H	1725	T	3	1	230	1	1200	.....	1	¼	A	3.7	4	22	1	20x25	385*
Above units are self-contained — free standing.																							
CPA-373-1	36,000	20,000	37¼	27	37¼	H	1725	T	3	1	230	1	1200	.....	1	½	A	2.65	4	22	1	20x20	480*
CPA-504-1	58,000	31,000	37¼	27	37¼	H	1725	T	3	1	230	1	1200	.....	1	¼	A	3.7	4	22	1	20x25	385*
Above units are remote type units. *Condensing units only.																							
Peerless Corp., 1853 Ludlow, Indianapolis, Ind. — "Clima-Pump"																							
CPA-3-1	34,000	16,000	25	64½	27	H	1725	T	5	1—3	230	1	2000	.....	2	1	A	5.2	4	22	2	20x20	750*
CPA-5	55,000	30,000	48	72½	32	H	1725	T	5	1—3	230	1	1950	.....	1	⅓	A	4.7	4	22	2	16x25	460*
Above units are self-contained — free standing.																							
CPA-373-1	36,000	20,000	37¼	27	37¼	H	1725	T	5	1—3	230	1	2000	.....	2	1	A	5.2	4	22	2	20x20	750*
CPA-504-1	58,000	31,000	37¼	27	37¼	H	1725	T	5	1—3	230	1	1950	.....	1	⅓	A	4.7	4	22	2	16x25	460*
Above units are remote type units. *Condensing units only.																							
Airtemp Div., Chrysler Corp., 1600 Webster St., Dayton, Ohio — "Airtemp"																							
1103-4	31,000	99,700* to 68,200**	45	27⅞	76⅛	H	1750	T	3	1	230	1	1200	1125	2	⅓	A	3.21	3	22	..	.....	610
*Includes 78,500 BTUH (23KW) Supplemental Electric Heater. **Includes 47,000 BTUH (13.8 KW) Supplemental Electric Heater.																							

HEAT PUMPS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTU/HR 20° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Blower Motor No.	HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Air Filter No.	Size (In.)	Net Wt. (lb.)
Typhoon Heat Pump Co., Div. of Hupp Corp., 2001 Gardie Ave., P. O. Box 1123, Tampa, Fla. — "Prop-R-Temp"																							
35H	31,000	38,700	24	66	26	H	1750	T	2	1—3	220	1	1000	773	1	⅛	W	2.75	4	22	1	25x20	578
55H	45,200	57,700	24	66	26	H	1750	T	3	1—3	220	1	1400	795	1	⅛	W	3.65	4	22	1	25x20	590
70H	62,000	77,400	46½	66	26	H	1750	(2)T	4	1—3	220	1	2000	640	1	½	W	5.5	4	22	2	25x20	1156
80H	72,200	88,600	28	76	30	H	1750	T	5	1—3	220	1	2400	808	1	¾	W	5.75	4	22	1	30x25	850
110H	90,400	115,400	46½	66	26	H	1750	(2)T	6	1—3	220	1	2800	670	1	¾	W	7.3	4	22	2	25x20	1180
150H	125,000	156,000	55	76	30	SH	1750	C	10	3	220	2	4000	640	1	¾	W	8.1	4	22	2	30x25	1800
160H	144,400	177,200	55	76	30	H	1750	(2)T	10	1—3	220	2	4800	703	1	1	W	11.5	4	22	2	30x25	1700
225-2H	191,000	230,000	55	76	30	SH	1750	(2)C	15	3	220	2	6000	740	1	1½	W	8.1	6	22	2	30x25	2600
300-2H	248,000	308,000	55	76	30	SH	1750	(2)C	20	3	220	2	8000	625	1	2	W	8.1	8	22	4	25x20	2900
375-3H	310,000	375,000	62	95	33	SH	1750	(3)C	22½	3	220	2	8800	660	1	3	W	13.0	8	22	4	25x20	3600
450-3H	366,000	450,000	84	92	45	SH	1750	(3)C	30	3	220	2	12,000	590	1	5	W	21.0	6	22	8	25x20	4400
600-4H	492,000	605,000	84	92	46	SH	1750	(4)C	40	3	220	2	14,000	620	1	7½	W	21.0	8	22	8	25x20	4900
A3	36,150	31,000*	21½**	21½	42½	H	1750	T	3	1—3	220	1	1200	785	1	⅓	AR	2.6	4	22	1	18x18	770
A5	60,800	49,200*	25½**	25½	50½	H	1750	T	5	1—3	220	1	2000	640	1	½	AR	3.9	5	22	1	22x22	1190
A7	86,100	73,200*	40½**	25½	50½	SH	1750	C	7½	3	220	1	2800	690	1	⅝	AR	6.1	3	22	2	18x18	1380
A10	120,400	95,300*	53½**	25½	50½	SH	1750	C	10	3	220	2	4000	640	1	¾	AR	8.1	4	22	2	22x22	2020
WW35H	29,800	37,300	24	33	24	SH	1750	T	2	1—3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	410
WW55H	43,400	54,250	24	33	24	SH	1750	T	3	1—3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	440
WW80H	69,300	86,600	28	44	28	SH	1750	T	5	1—3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	720
WW120H	92,300	115,500	28	44	28	SH	1750	C	8	3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	1130
WW150H	120,000	150,000	28	44	28	SH	1750	C	10	3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	1300
WW225-2H	186,000	232,500	62	60	35	SH	1750	(2)C	15	3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	2080
WW300-2H	235,000	294,000	62	60	35	SH	1750	(2)C	20	3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	2280
WW375-3H	305,000	371,800	62	60	35	SH	1750	(3)C	25	3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	2475
WW450-3H	352,000	445,000	62	64	35	SH	1750	(3)C	30	3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	3500
WW600-4H	479,000	602,000	84	72	45	SH	1750	(4)C	40	3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	4000
WW750-5H	596,000	731,000	84	77	45	SH	1750	(5)C	50	3	220	..	.....	.....	..	.....	W	.....	..	22	..	.....	4200

*No Supplemental Heat included **Sizes of indoor Unit. Models 35H through 600-4H are water to air units. Models A3 through A10 are air to air units. Models WW35H through WW750-5H are water to water units.

Mathes Co., Div. of Glen Alden Corp., 1501 E. Broadway, Fort Worth, Texas — "Mathes"																							
24HAR-1EHP*	24,000	15,300**	33	23	24	H	1725	B-W	2.3	1	208/230	1	800	900	1	¼	AR	2.9	3	22	1	1x20x25	245
27HAR-1EHP*	27,000	18,000**	51	31	27	H	1725	B-W	2.5	1	208/230	1	1300	600	1	¼	AR	3.9	3	22	1	1x20x25	275
34HAR-1EHP*	32,000	23,400**	39	23	24	H	1725	T	3.4	1	208/230	1	1000	1050	1	¼	AR	2.9	3	22	1	1x20x25	305
38HAR-1EHP*	36,000	25,000**	51	31	27	H	1725	T	3.6	1	208/230	1	1300	600	1	¼	AR	3.9	3	22	1	1x20x25	415
40HAR-1EHP*	42,000	26,000**	51	31	27	H	1725	B-W	(2)2.3	1	208/230	1	1400	675	1	¼	AR	3.9	3	22	1	1x20x25	475
50HAR-1EHP*	50,000	28,000**	51	31	27	H	1725	B-W	(2)2.5	1	208/230	1	1600	750	1	⅓	AR	5.6	3	22	2	1x16x25	495
62HAR-1EHP*	62,000	42,000**	61	31	27	H	1725	T	6.2	1	208/230	1	2000	825	1	½	AR	5.6	3	22	2	1x16x25	545
90HAR-2EHP*	90,000	58,600**	75	43	27	SH	1725	C	9	2	208/230	1	3000	600	1	¾	AR	8.2	3	22	3	1x16x25	760
120HAR-2EHP*	120,000	79,000**	75	43	27	SH	1725	C	12	2	208/220	1	4000	700	1	1	AR	11	3	22	3	1x20x25	835
24HAH-1EHP‡*	24,000	16,000**	32¼	21½	29½	H	1725	B-W	2	1	208/230	1	850	1090	1	½	A	2.9	3	22	1	.....	375
38HAH-1EHP‡*	36,000	25,000**	46	26	40	H	1725	T	3.6	1	208/230	1	1300	1000	1	½	A	3.3	4	22	1	1x20x25	505
62HAH-1EHP‡*	60,000	40,000**	52	30	58	H	1725	T	6.2	1	208/230	1	2000	825	1	½	A	3.9	4	22	2	1x16x25	615

*Also available in 3 phase. ‡Packaged units (attic type). **Does not include supplementary heat.

Carrier Corp., 300 S. Geddes St., Syracuse, N. Y.																							
64Q7	31,900	20,200	32½	21	42	H	1750	O	3	1—3	230/208/220	1	1200	715	1	½	AR	4.28	2	C-500	2	16x20x1	175
64Q9	50,800	35,500	36	22¾	48⅛	H	1750	O	5	1—3	230/208/220	1	2000	610	1	½	AR	5.15	2	12	2	20x20x1	200

Forston Co., Mfg., 1400 Conti St., Houston, Texas — "Forston" "Lincoln"																							
200R2BLS	24,000	16,218	27	24½	31½	H	1725	T	2	1	230	1	800	1050	1	⅛	AR	2.75	4	22	1	14x20x1	475
300R3BLS	36,000	26,712	29½	25½	35¼	H	1725	T	3	1—3	230/208	1	1200/1450	1050	1	¼	AR	3.16	4	22	1	16x20x1	575
500R5BLS	60,000	44,520	41¾	43¾	42¾	H	1725	T	5	1—3	230/208	1	2000/2400	485	1	½	AR	4.27	4	22	1	19x25x1	725
750R7½BLS	90,000	62,116	41¾	43¾	42¾	H	1750	C	7½	3	230/208	1	3000/3400	500	1	¾	AR	5.47	4	22	1	18½x28x1	825
1000RBLS	120,000	83,952	55	55½	36	H	1750	C	10	3	230/208	1	4000/4400	500	1	¾	AR	8.47	4	22	1	24x39x1	1000

HEAT PUMPS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTU/HR 20° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Blower Motor No.	HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Air Filter No.	Size (In.)	Net Wt. (lb.)
Weatherking of Florida, 2310 Coolidge Ave., Orlando, Fla. — "Weatherking"																							
WKA30	36,000	45,000*	26	32	26	H	1750	T	3	1—3	220	1	1400	795	1	⅓	AR	3.0	5	22	1	20x25x1	720
WKA40	51,000	62,000*	26	39	26	H	1750	T	4	1—3	220	1	1750	830	1	½	AR	3.95	5	22	2	16x25x1	870
WKA50	60,000	73,000*	51	56	26	H	1750	T	5	1—3	220	1	2400	660	1	½	AR	4.75	5	22	3	16x25x1	1140
WKA75	96,000	117,000*	51	56	26	SH	1750	***	7½	3	220	1	3500	568	1	¾	AR	7.0	5	22	3	16x25x1	1350
WKA100	116,000	141,000*	61	56	26	SH	1750	C	10	3	220	2	4800	660	2	½	AR	9.5	5	22	3	20x25x1	1750
WKA150	192,000	234,000*	102	56	26	SH	1750	***	(2)7½	3	220	4	7000	568	2	¾	AR	14.0	5	22	6	16x25x1	2700
WK300	41,200	52,000**	26	78	26	H	1750	T	3	1—3	220	1	1400	795	1	⅓	W	3.0	5	22	1	20x25x1	800
WK500	71,000	88,000**	51	78	26	H	1750	T	5	1—3	220	1	2400	660	1	½	W	4.75	5	22	3	16x25x1	1000
WK750	102,000	126,000**	51	78	26	SH	1750	***	7½	3	220	1	3500	568	1	¾	W	7.0	5	22	3	16x25x1	1250
WK1000	126,000	160,000**	61	78	26	SH	1750	C	10	3	220	2	4800	660	2	½	W	9.5	5	22	3	20x25x1	1500
WK1500	204,000	252,000**	51	78	51	SH	1750	***	(2)7½	3	220	2	7000	568	2	¾	W	14.0	5	22	6	16x25x1	2450
WK2000	260,000	318,000**	61	54	53	SH	1750	C	(2)10	3	220	2	8000	658	1	3	W	17.0	5	22	6	20x25x1	2700
									(2)10														
WK2500	331,000	406,000**	61	79	77	SH	1750	C	(1)5	3	220	1	10,000	440	1	5	W	21.5	5	22	9	20x25x1	3700
WK3000	390,000	476,000**	61	79	77	SH	1750	C	(3)10	3	220	1	12,000	354	1	5	W	25.5	5	22	9	20x25x1	4100
WK4000	520,000	636,000**	122	54	53	SH	1750	C	(4)10	3	220	4	16,000	658	2	3	W	34.0	5	22	12	20x25x1	5000
WK6000	780,000	952,000**	122	79	77	SH	1750	C	(6)10	3	220	2	24,000	354	2	5	W	51.0	5	22	18	20x25x1	8200

*At 50° F. **At 75° Water. ***Worthington.

McMillan Comfortaire Heat Pumps, Inc., P. O. Box 5897, 1505 Miami Rd., Jacksonville, Fla. — "McMillan"																							
20-1A	24,300	37,200	26¾	59½	22¼	SH	1750	C	2	1	230	..	800	500-700	..	¼	W	1.875	6	12	1	20x15x1	910
30-1A	37,200	47,400	32¾	70¼	22¼	SH	1750	C	3	1	230	..	1200	500-700	..	⅓	W	3.00	6	12	1	25x20x1	940
																					1	20x15x1	
50-1A	60,800	78,700	43¼	76½	24¼	SH	1750	C	5	3	230	..	2000	500-700	..	½	W	5.00	6	12	1	20x20x1	1230
75-1A(sgl.)	94,700	117,300	56	79	27¾	SH	1750	C	7½	3	230	..	3000	500-700	..	¾	W	7.50	6	12	2	25x20x1	1900
																					2	25x16x1	
100-1A(dual)	121,600	158,100	57¾	88	29¾	SH	1750	C	10	3	230	..	4000	500-700	..	1	W	10.00	6	22	2	20x16x1	2040
																					2	25x16x1	
100-1A	121,600	158,100	57¾	88	29¾	SH	1750	C	(2)5	3	230	..	4000	500-700	..	1	W	10.00	6	12	2	20x16x1	2040
																					2	25x16x1	
150-1A	189,400	231,000	80	95	34	SH	1750	C	(2)7½	3	230	..	6000	500-700	..	1½	W	14.90	6	12	2	25x20x1	3050
																					2	25x25x1	
200-1A	242,600	316,100	80	99	44	SH	1750	C	(2)10	3	230	..	8000	500-700	..	2	W	20.60	6	22	3	20x25x1	4400
																					1	20x20x1	

NOTE: 25 hp, 30 hp and 50 hp and above units manufactured to specifications.

Westinghouse Electric Corp., Air Conditioning Div., P. O. Box 510, Staunton, Va. — "Westinghouse"																							
			36*	39⅞*	29*						230/	1	1200	Var.	1*	½							600*
RHP-33A	36,000	67,000†	34**	54½**	32**	SH	1750	O	3	1—3	208/220	1	2350	675	1**	⅓	AR	2.6	4	22	2	16x20x1	300**
											230/	1	1200	Var.	1	⅓							
HP-32C	36,000	72,500†	49½	74¾	28⅞	SH	1750	O	3	1—3	208/220	1	2100	Var.	1	½	A	3.0	4	22	1	20x25x1	1050
											230/	1‡	2000	Var.	1	½					1	20x25x1	
HP-52C	49,500	98,500†	70½	74¾	28⅞	SH	1750	O	5	1—3	208/220	1‡‡	3450	Var.	1	¾	A	4.6	4	12	1	16x25x1	1400
			51½*	50¼*	30*							1*	2000	Var.	1*	½							1000*
RHP-73A	72,500	98,500†	41¾**	41⅜**	41**	SH	1750	O	7½	3	208/220	2**	4800	630	1**	1	AR	5.65	4	22	2	25x20x1	325**

*Outdoor section of remote heat pump. **Indoor section. †With standard booster heat @ 35 F outdoor ambant. ‡Indoor (evap.) blower. ‡‡Outdoor (cond.) blower.

Perfection Industries, Div. of Hupp Corp., 1135 Ivanhoe Rd., Cleveland, Ohio — "Perfection Tuckaway Heat Pump"																							
PAS21AH	22,600	17,000	29⅛	23⅞	49⅛	H	1725	B-W	2	1	230	1	800	1070	1	⅓	A	1.75	4	22	..	.....	325
PAS21AH	36,500	22,000	29⅛	23⅞	49⅛	H	1725	B-W	(2)1¾	1	230	1	1200	1450	1	⅓	A	2.33	5	22	..	.....	520
PAS21AH	49,000	33,500	36	30	64½	H	1725	B-W	(2)2	1	230	1	1700	3450	1	½	A	3.61	5	22	..	.....	625

O. A. Sutton Corp., Inc., 1812 W. Second St., Wichita, Kan. — "Vornado"																							
B200B-2R	23,500	**	29½	20¾	39⅝	H	1725	T	(2)1	1	230	1	785	1120	1	⅓**	A	1.9	3	22	1	12x24	352
B350C-2R	39,000	*	36¼	24½	47⅜	H	1725	T	(2)1¾	1	230	2	1505	1120	1	½	A	2.7	4	22	1	14x28	517

*Reverse cycle heat only. Excluding any strip heaters. **For evaporator and condenser.

Mitchell Mfg. Co., Div. of Cory Corp., 3200 W. Peterson Ave., Chicago, Ill. — "Mitchell"																							
QR200R	18,500	8,500	26¼	16¼	31½	H	1725	T	1¾	1	230	1	550	1075	1	¼	A	2.14	3	22	1	23⅛x14⅝x1	217
QA400R	37,000	16,500	30	24½	42	H	1725	T	(2)1¾	1	230	2	1200	1050	1	¼	A	2.53	4	22	1	27x11¾x1	440

HEAT PUMPS (Continued)

Model No.	Cooling Capacity BTUH	Heating Capacity BTU/HR 20° F	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	Phase	Voltage	Evap. Blower No.	CFM	RPM	Blower Motor No.	HP	Cond. Type	Evap. Coil Face Area (Sq. Ft.)	No. Rows	Refrig. No.	Air Filter No.	Size (In.)	Net Wt. (lb.)
American Coils Co., Farmingdale, N. J. — "ACI — Heat Pump"																							
ACI-H-30*	36,000	44,000	35¼	66	25½	SH	1750	C	3	3	208/220	1	1200	680	1	½	W	2.7	5	12	1	14¾x25¾x1	764
ACI-H-50*	61,000	75,000	44¾	71⅝	26¾	SH	1750	C	5	3	208/220	1	2000	680	1	½	W	4.4	5	12	1	18½x34¾x1	925
ACI-H-75**	93,000	112,000	51	71	30¼	SH	1750	C	7½	3	208/220	2	3000	720	2	½	W	6.7	5	12	2	19¾x25½x1	1167
ACI-H-100**	121,000	150,000	57	75	30¼	SH	1750	C	(2)5	3	208/220	2	4000	680	2	½	W	9.0	5	12	2	22½x29½x1	1581
ACI-H-150**	182,000	215,000	70	75	31¼	SH	1750	C	(2)7½	3	208/220	2	6000	760	2	¾	W	13.5	5	12	3	14¾x29½x1 22½x29½x1	3100
*Also available in 1 or 2 phase. **Also available in 2 phase.																							
Fedders-Quigan Corp., 5201 Flushing Ave., Maspeth, L. I., N. Y. — "Fedders"																							
830-AH-3	33,000	72,500**	41⅛	20⅜	36½	H	1725	T	3	1	230	1	1130	1100	1	½	A	2.0	4	22	2	14x20x1*	365
830-AH-8	33,000	72,500**	41⅛	20⅜	36½	H	1725	T	3	3	230	1	1180	1100	1	½	A	2.0	4	22	2	14x20x1*	365
*Air Filters Optional (Return Air) **With 15 KW Duct Heater; 55,500 w/10KW; 38,500 w/5KW.																							
General Air Conditioning Corp., 4542 E. Dunham St., Los Angeles, Calif. — "Genatron"																							
RO26	24,000	33,250	30	34	21	H	1725	T	2½	1	220	1	1000	1050	1	⅛	A	1.65	2	22	1	8x27	390
RO31HP	37,700	63,200	30	39½	25	H	1725	T	3½	1	220	1	1200	1080	1	⅓	A	2.8	4	22	1	20x14	475
RO525A	65,500	87,700	40	56¾	27	H	1725	T	6½	1—3	220	1	2000	650	1	¾	A	6.4	4	22	2	20x20	770
RO75	98,250	135,500	48	74¾	30	H	1725	*	8¾	3	220	1	3200	600	1	1	A	6.8	4	22	2	24x20	1250
RO10	131,000	175,400	66	74¾	30	H	1725	T	13	3	220	1	4200	600	1	1½	A	10	4	22	3	20x20	1780
RBS27	24,000	33,250	30	25	26	H	1725	T	2½	1	220	1	1000	1050	1	⅛	AR	1.65	2	22	1	8x27	390
RBS37	37,700	63,200	30	25	26	H	1725	T	3½	1	220	1	1900	1080	1	⅓	AR	2.8	4	22	1	20x14	475
RBS57	65,500	87,700	40	38	27	H	1725	T	6½	1—3	220	1	3000	650	1	¾	AR	6.4	4	22	2	20x20	770
RBS757	98,250	135,500	48	50	32¾	H	1725	*	8¾	3	220	1	4000	600	1	1	AR	6.8	4	22	2	24x20	1250
RBS107	131,000	175,400	66⅛	50	32¾	H	1725	T	13	3	220	1	6000	600	1	1½	AR	10	4	22	3	20x20	1780
*York																							
Majestic Co., Inc., Erie St., Huntington, Ind. — "Majestic"																							
UHP6536	36,000	.....	26	68½	26	H	.....	T	3	1	230	..	1200	.....	..	½	R	.....	..	22	..	725*	735
UHP9560	60,000	.....	29½	71½	29½	H	.....	T	5	1	230	..	2000	.....	..	½	R	.....	..	22	..	950*	935
DHP6536	36,000	.....	26	68½	26	H	.....	T	3	1	230	..	1200	.....	..	½	R	.....	..	22	..	725*	735
DHP9560	60,000	.....	29½	71½	29½	H	.....	T	5	1	230	..	2000	.....	..	½	R	.....	..	22	..	950*	935
*Square inches.																							

PACKAGED WATER CHILLERS

Model No.	Average Tonnage Capacity	Cabinet Size (In.) W	H	D	Type	Compressor RPM	Make	Compressor Motor HP	RPM	Phase	Voltage	Refrig. No.	Net Wt. (lb.)
Cool-Ette, Inc., 20080 James Couzens Highway, Detroit, Mich. — "Liquid-Ice"													
1WC2W*‡	2	27¼	29¾	20¼	H	1725	T	2	1725	1	230	22	250
1WC3W*‡	3	27¼	29¾	20¼	H	1725	T	3	1725	1—3	230	22	305
1WC5W‡	5	37	36¾	22½	H	1725	T	5	1725	1	230	22	431
3WC5W‡	5	37	36¾	22½	H	1725	T	5	1725	3	230	22	421
*Available as package units, air cooled condensers. ‡Available for remote air cooled condensers.													
Worthington Corp., Ampere Station, East Orange, N. J. — "Worthington"													
RWW-400	2.8	44¾	32	26¾	H*	1750	O	3	1750	1—3	208/220/230	22	523
RWW-600	4.6	44¾	32	26¾	H*	1750	O	5	1750	1—3	208/220/230	22	637
LCPB-8	7.5	58	34½	20	H*	1750	O	(1) 7½	1750	3	208/220	22	1200
LCPB-10	10	58⅛	37¾	24	H*	1750	O	(2) 5	1750	3	208/220	22	1400
LCPB-15	15	60	38½	28¾	H*	1750	O	(2) 7½	1750	3	208/220	22	2000
*Accessible													
Vic Mfg. Co., 1313 Hawthorne Ave., Minneapolis, Minn. — "Vic"													
84	2	59	51	35	SH	.....	C	2	.....	1—3	220	12	650
85	3	59	51	35	SH	.....	C	3	.....	1—3	220	12	700
80	5	59	51	35	SH	.....	C	5	.....	3	220	12	770
89	7½	59	51	35	SH	.....	C	7½	.....	3	220	12	850
95	10	59	51	35	SH	.....	C	10	.....	3	220	22	1000

PACKAGED WATER CHILLERS (Continued)

Model No.	Average Tonnage Capacity	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	RPM	Phase	Voltage	Refrig. No.	Net Wt. (lb.)
United States Air Conditioning Corp., 7900 Tabor Rd., Philadelphia, Pa. — "usAIRco Packaged Chiller"													
ICW-5	5.0	67⅛	36¾	24⅜	SH	1750	C	5	1750	3	220	22	1000
ICW-7½	7.5	67⅛	38⅝	26⅜	SH	1750	C	7½	1750	3	220	22	1200
ICW-10	10.0	68½	45	26⅞	SH	1750	C	10	1750	3	220	22	1450
ICW-15	15.0	93⅛	53½	29	SH	1750	C	(2) 7½	1750	3	220	22	2100
ICW-20	18.9	133¾	60	32¼	O	997	B-W	20	1750	3	220	22	3100
ICW-25	23.6	122½	62⅞	32¼	O	1167	B-W	25	1750	3	220	22	3400
ICW-30	30.5	134⅞	64⅜	32¼	O	997	B-W	30	1750	3	220	22	3800
ICW-40	40.5	137⅜	70½	39½	O	711	B-W	40	1750	3	220	22	5000
ICW-50	50.0	161⅞	70½	39½	O	870	B-W	50	1750	3	220	22	5500
ICW-60	55.1	126⅛	70¾	42	O	950	B-W	60	1750	3	220	22	6000
ICW-75	74.3	141⅞	84	53¾	O	525	B-W	75	1750	3	220	22	8700
ICW-100	100.5	191⅛	84⅜	53¾	O	715	B-W	100	1750	3	220	22	10,000
ICW-125	122.0	158⅞	88⅜	53¾	O	848	B-W	125	1750	3	220	22	10,900
ICW-150	148.0	186⅞	98⅛	55¾	O	710	B-W	150	1750	3	220	22	14,050
All above models equipped with water-cooled condensers, for either cooling tower or city water operation.													
ICA-10	10.0	95⅛	61¾	37¾	SH	1750	C	10	1750	3	220	22	3000
ICA-15	13.9	113⅞	73⅛	41¾	SH	1750	C	(2) 7½	1750	3	220	22	4330
ICA-20	19.4	113⅞	73⅛	41¾	O	997	B-W	20	1750	3	220	22	4960
ICA-25	23.6	124⅞	77⅛	48¼	O	1167	B-W	25	1750	3	220	22	5150
ICA-30	30.4	136⅞	84⅛	53¼	O	997	B-W	30	1750	3	220	22	6750
ICA-40	40.9	145⅛	93⅛	60¼	O	711	B-W	40	1750	3	220	22	7850
ICA-50	51.0	187⅛	105⅛	60¼	O	870	B-W	50	1750	3	220	22	10,000
ICA-60	55.9	217⅛	103⅛	64¼	O	950	B-W	60	1750	3	220	22	12,000
All above models equipped with built-in evaporative condenser.													
Trane Co., Second & Cameron Ave., LaCrosse, Wis. — "Trane Cold Generator"													
CGB4	10	79	60	27	O	1750	O	10	1750	3	208/220/440	12	2400
CG2B4	15	79	63	25	O	1750	O	15	1750	3	208/220/440	22	2600
CGB8	20	93	67	30	O	1750	O	20	1750	3	208/220/440	12	3200
CG2B6	25	125	66	27	O	1750	O	25	1750	3	208/220/440	22	3600
CG2B8	30	119	75	28	O	1750	O	30	1750	3	208/220/440	22	4200
CG2A4	40	120	76	29	O	1750	O	40	1750	3	208/220/440	22	4700
CGA8	50	117	56	64	O	1750	O	50	1750	3	208/220/440	12	6200
CG2A6	60	127	58	61	O	1750	O	60	1750	3	208/220/440	22	6400
CG2A8	75	121	60	62	O	1750	O	75	1750	3	208/220/440	22	8000
CG2A10	100	144	63	72	O	1750	O	100	1750	3	208/220/440	22	10,600
CG2A12	120	133	69	74	O	1750	O	125	1750	3	208/220/440	22	11,000
CG2A16	150	154	69	80	O	1750	O	150	1750	3	208/220/440	22	12,000
Bell & Gossett Co., 8200 N. Austin, Morton Grove, Ill.													
PLC-7½	7½	29	56	82	O	1160	O	7½	1160	3	208/220/440	12	.....
PLC-10	10	29	56	82	O	1750	O	10	1750	3	208/220/440	12	.....
PLC-15	15	29	56	92	O	1750	O	15	1750	3	208/220/440	22	.....
PLC-20	20	32	58	86	O	1750	O	20	1750	3	208/220/440	22	.....
PLC-25	25	36	58	92	O	1750	O	25	1750	3	208/220/440	12	.....
PLC-30	30	40	62	92	O	1750	O	30	1750	3	208/220/440	22	.....
PLC-40	40	40	62	98	O	1750	O	40	1750	3	208/220/440	22	.....
PLC-50	50	40	62	98	O	1750	O	50	1750	3	208/220/440	12	.....
PLC-60	60	40	65	96	O	1750	O	60	1750	3	208/220/440	22	.....
PLC-75	75	46	65	102	O	1750	O	75	1750	3	208/220/440	22	.....
PLC-100	100	46	68	108	O	1750	O	100	1750	3	208/220/440	12	.....
PLC-125	125	48	68	112	O	1750	O	125	1750	3	208/220/440	22	.....
PLC-150	150	48	72	120	O	1750	O	150	1750	3	208/220/440	22	.....
Schnacke, Inc., 1101 N. Governor, Evansville, Ind. — "Thermatrol"													
CT-10	9.5	33	72	84	O	1200	O	10	1750	3	220/440	12	2000
CTD-15	13.7	33	74	84	O	1750	O	15	1750	3	220/440	12	2100
CF-20	19.5	33	77	108	O	1150	O	20	1750	3	220/440	12	3000
CFD-20	19.5	33	77	108	O	1150	O	20	1150	3	220/440	12	3000
CFD-30	28.9	33	79	120	O	1750	O	30	1750	3	220/440	12	3900
CE-40	38.6	41½	82	144	O	1150	O	40	1750	3	220/440	12	5200
CED-40	38.6	39	82	144	O	1150	O	40	1150	3	220/440	12	5500
CE-50	46.0	41½	84	132	O	1400	O	50	1750	3	220/440	12	5700
CED-60	57.6	39	76	120	O	1750	O	60	1750	3	220/440	12	6000

PACKAGED WATER CHILLERS (Continued)

Model No.	Average Tonnage Capacity	Cabinet Size (In.) W	H	D	Compressor Type	Compressor RPM	Compressor Make	Motor HP	Motor RPM	Motor Phase	Voltage	Refrig. No.	Net Wt. (lb.)
National-U. S. Radiator Corp., 944 Ash St., P. O. Box 1047, Johnstown, Pa. — "Capitolaire"													
201-CW*													
203-CW	2	23¼	27⅝	17¾	H	1725	T	2	1725	1—3	220/230	22	249
301-CW*													
303-CW	3	23¼	27⅝	17¾	H	1725	T	3	1725	1—3	220/230	22	304
501-CW*													
503-CW	5	33	33⅛	20	H	1725	T	5	1725	1—3	220/230	22	431
CWG-7½**	7½	66	48	17	SH	1750	***	7½	1750	3	220/440	22	900
CWG-15**	15	103	49	34	SH	1750	***	(2) 7½	1750	3	220/440	22	2320
CWG-20**	20	129	48	39	O	Var.	B	20	1750	3	220/440	22	3580
CWG-25**	25	117	54	41	O	Var.	B	25	1750	3	220/440	22	3900
CWG-30**	30	129	54	43	O	Var.	B	30	1750	3	220/440	22	4520
CWG-40**	40	134	60	45	O	Var.	B	40	1750	3	220/440	22	5800
CWG-50**	50	158	60	45	O	Var.	B	50	1750	3	220/440	22	6320
CWG-60**	60	122	67	54	O	Var.	B	60	1750	3	220/440	22	7060
CWG-75**	75	134	67	57	O	Var.	B	75	1750	3	220/440	22	7490
*Available as air-cooled. **Available with evaporator condenser. ***Westinghouse.													
Typhoon Heat Pump Co., Div. of Hupp Corp., 2001 Gardie Ave., P. O. Box 1123, Tampa, Fla. — "Prep-R-Temp"													
WC35H	2.5	24	33	24	SH	1750	T	2	1750	1—3	220	22	410
WC55H	3.6	24	33	24	SH	1750	T	3	1750	1—3	220	22	440
WC80H	5.7	28	44	28	SH	1750	T	5	1750	1—3	220	22	720
WC120H	7.7	28	44	28	SH	1750	C	8	1750	3	220	22	1130
WC150H	10	28	44	28	SH	1750	C	10	1750	3	220	22	1300
WC225-2H	15	62	60	35	SH	1750	(2) C	15	1750	3	220	22	2080
WC300-2H	20	62	60	35	SH	1750	(2) C	20	1750	3	220	22	2280
WC375-3H	25	62	60	35	SH	1750	(3) C	25	1750	3	220	22	2475
WC450-3H	30	62	64	35	SH	1750	(3) C	30	1750	3	220	22	3500
WC600-4H	40	84	72	45	SH	1750	(4) C	40	1750	3	220	22	4000
WC750-5H	50	84	77	45	SH	1750	(5) C	50	1750	3	220	22	4200
Airtemp Div., Chrysler Corp., 1600 Webster St., Dayton, Ohio — "Airtemp"													
W312	14.2	130	70	39	SH	1750	O	15	1750	*	*	12	3700
W512	24.0	130	72	40	SH	1750	O	25	1750	*	*	12	4650
W712	35.0	142	74	41	SH	1750	O	40	1750	*	*	12	5600
W812	37.5	130	76	41	SH	1750	O	40	1750	*	*	12	6500
W1012	47.1	142	78	42	SH	1750	O	50	1750	*	*	12	7350
W1212	55.6	142	80	42	SH	1750	O	60	1750	*	*	12	8200
W1412	66.1	142	82	42	SH	1750	O	75	1750	*	*	12	9300
W322	24.1	118	72	39	SH	1750	O	25	1750	*	*	22	4100
W522	40.1	130	74	40	SH	1750	O	40	1750	*	*	22	5350
W722	55.3	130	78	41	SH	1750	O	60	1750	*	*	22	6200
W822	65.5	154	80	42	SH	1750	O	75	1750	*	*	22	7450
W1022	77.6	130	82	42	SH	1750	O	100	1750	*	*	22	8300
W1222	94.4	166	86	42	SH	1750	O	100	1750	*	*	22	9900
W1422	108.5	166	86	42	SH	1750	O	125	1750	*	*	22	10,400
SW1303-3	3.0	46	49	20	SH	3500	O	3	3500	*	*	22	500
SW1305-2	5.1	49	49	20	SH	1750	O	5	1750	*	*	12	880
SW1308-2	7.6	49	49	20	SH	1750	O	7½	1750	*	*	22	1100
SW1311	11.5	59	51	28	SH	3500	O	10	3500	*	*	22	1200
SW1315	14.9	59	51	28	SH	3500	O	15	3500	*	*	22	1310
SW1320	20.9	96	62	34	SH	3500	O	(2) 10 (1) 10	3500	*	*	22	2700
SW1325	25.0	96	62	34	SH	3500	O	(1) 15	3500	*	*	22	2850
SW1330	29.5	96	64	34	SH	3500	O	(2) 15	3500	*	*	22	3200
*As Required.													
American Coils Co., Farmingdale, N. J. — "ACI"													
ACI-A-30	3	25½	32	35¼	SH	1750	C	3	1750	1—3	208/220	12	550
ACI-A-57	5	44¾	32	26¾	SH	1750	C	5	1750	1—2—3	208/220	12	668
ACI-A-75	7½	51	34	30¼	SH	1750	C	7½	1750	2—3	208/220	12	1000
ACI-A-100	10	57	43½	30¼	SH	1750	C	(2) 5	1750	1—2—3	208/220	12	1350
ACI-A-150	15	57	43½	30¼	SH	1750	C	(2) 7½	1750	2—3	208/220	12	1950
Air cooled models also available.													

PACKAGED WATER CHILLERS (Continued)

Model No.	Average Tonnage Capacity	Cabinet Size (In.) W	H	D	Type	Compressor RPM	Make	HP	Compressor Motor RPM	Phase	Voltage	Refrig. No.	Net Wt. (lb.)
Carrier Corp., 300 S. Geddes St., Syracuse, N. Y.													
30E3	2.9*	45½	36¾	24⅜	SH	1750	O	3	1750	1—3	208/220/440	22	770
30E5	4.7*	67⅛	34¾	24⅜	SH	1750	O	5	1750	1—3	208/220/440	12	880
30E8	7.3*	67⅛	38⅝	26⅜	SH	1750	O	7½	1750	1—3	208/220/440	22	1040
30E10	9.6*	68½	45	27	SH	1750	O	10	1750	1—3	208/220/440	22	1270
30E15	14.6*	93⅝	53½	29	SH	1750	O	(2) 7½	1750	1—3	208/220/440	22	1830
30E20	19*	93⅝	58	29	SH	1750	O	(2) 10	1750	1—3	208/220/440	22	2440
30K25	24*	89	67	25	SH	1750	O	25	1750	2—3	208/220/440	22	3840
30K30	29.3*	103	73	27	SH	1750	O	30	1750	2—3	208/220/440	22	5180
30K40	37.8*	103	73	27	SH	1750	O	40	1750	2—3	208/220/440	22	5260
30K50	48.8*	148	78	31	SH	1750	O	50	1750	2—3	208/220/440	22	6300
30K60	57.2*	148	78	31	SH	1750	O	60	1750	2—3	208/220/440	22	6440
30D75	78.6*	158	84	30	O	1750	O	75	1750	2—3	208/220/440	22	6900
30C110	101.5*	162	71	64	O	1750	O	100	1750	2—3	208/220/440	22	10,630
30C125	123*	164	71	64	O	1750	O	125	1750	2—3	208/220/440	22	11,290
*Capacity at 46 F chilled water off & 105 Fcondensing temp.													
Weatherking of Florida, 2310 Coolidge Ave., Orlando, Fla. — "Weatherking"													
WKWC3	3	26	29	26	H	1750	T	3	1750	1—3	220	22	450
WKWC5	5	26	52	26	H	1750	T	5	1750	1—3	220	22	650
WKWC7½	7½	26	52	26	SH	1750	*	7½	1750	3	220	22	800
WKWC10	10	29	52	26	SH	1750	C	10	1750	3	220	22	950
Note: Above units also available as heat pumps. *Worthington.													
Heat-X, Inc., Subsidiary of Dunham-Bush, Inc., 179 South St., West Hartford, Conn.													
PC-200	2	48	33	16	SH	1750	B	2	1750	1—3	230/208/220	12	500
PC-300	3	53	33	16	SH	1750	B	3	1750	1—3	230/208/220	12 & 22	665
PC-500	5	54	39	18	SH	1750	B	5	1750	1—3	230/208/220	12	800
PC-750	7½	62	39	18	SH	1750	B	7½	1750	3	208/220/440	12 & 22	985
PC-1000	10	72	39	28	SH	1750	B	(2) 5	1750	3	208/220/440	12	1765
PC-1001	10	62	40	18	SH	1750	B	10	1750	3	208/220/440	22	1150
PC-1500	15	80	39	28	SH	1750	B	(2) 7½	1750	3	208/220/440	12 & 22	2085
PC-2002	20	80	40	28	SH	1750	B	(2) 10	1750	3	208/220/440	22	2225
PC-2000	20	78	62	34½	O	700	B	20	1750	3	208/220/440	12	2560
PC-2500	25	78	64	36	O	875	B	25	1750	3	208/220/440	12	2710
PC-3000	30	78	64	36	O	683	B	30	1750	3	208/220/440	22	2860
PC-4000	40	82	71	39½	O	583	B	40	1750	3	208/220/440	22	3380
PC-5000	50	85	78	42½	O	730	B	50	1750	3	208/220/440	22	4400
PC-6000	60	85	78	42½	O	875	B	60	1750	3	208/220/440	22	4770
PC-7500	75	85	79½	42½	O	1070	B	75	1750	3	208/220/440	22	5160
PC-10,000	100	88	78	56	O	730	B	100	1750	3	208/220/440	22	6830
RPC-200	2	38	29	16⅞	SH	1750	B	2	1750	1—3	230/208 220/440	22	400
RPC-500	5	50	34	19⅞	SH	1750	B	3	1750	1—3	230/208 220/440	22	550
RPC-300	3	50	29	16⅞	SH	1750	B	5	1750	1—3	230/208 220/440	22	750
ARPC-200	2	40	26	38½	SH	1750	B	2	1750	1—3	230/208 220/440	22	565
ARPC-300	3	40	26	38½	SH	1750	B	3	1750	1—3	230/208 220/440	22	680
ARPC-500	5	65	25	39½	SH	1750	B	5	1750	1—3	230/208 220/440	22	850
Cond-Air Div., Elliott Engineering Co., Inc., 10608 Santa Fe, South Gate, Calif. — "Cond-Air"													
WC50	5	63	54	30	SH	1725	C	5	1725	1—3	220	22	1100
WC75	7.5	74	65	32	SH	1725	C	7½	1725	3	220/440	22	1600
WC100	10	74	65	32	SH	1725	C	10	1725	3	220/440	22	2200
WC150	15	83	73	35	SH	1725	C	(2) 7½	1725	3	220/440	22	2700
WC200	20	83	73	35	SH	1725	C	(2) 10	1725	3	220/440	22	3200
Note: All package water chillers with built-in evaporative condensers.													

PACKAGED WATER CHILLERS (Continued)

Model No.	Average Tonnage Capacity	Cabinet Size (In.) W	H	D	Compressor Type	RPM	Make	Compressor Motor HP	RPM	Phase	Voltage	Refrig. No.	Net Wt. (lb.)
Curtis Mfg. Co., 1905 Kienlen Ave., St. Louis 20, Mo. — "Curtis"													
F7C14	7½	95	52	25	O	458	O	7½	1750	.....	.....	22	.....
7C14	7½	95	52	25	O	658	O	7½	1750	.....	.....	12	.....
F10C18	10	108	58	25	O	420	O	10	1750	.....	.....	22	.....
10C18	10	108	58	25	O	436	O	10	1750	.....	.....	12	.....
F15C24	15	145	58	25	O	615	O	15	1750	.....	.....	22	.....
15C24	15	145	58	25	O	658	O	15	1750	.....	.....	12	.....
F20C28A	20	157	58	25	O	835	O	20	1750	.....	.....	22	.....
20C28A	20	156	58	36	O	408	O	20	1750	.....	.....	12	.....
F25C33	25	135	58	36	O	380	O	25	1750	.....	.....	22	.....
25C33	25	135	58	36	O	528	O	25	1750	.....	.....	12	.....
F30C36	30	147	58	36	O	450	O	30	1750	.....	.....	22	.....
30C36	30	147	58	36	O	648	O	30	1750	.....	.....	12	.....
F40C38	40	159	58	36	O	580	O	40	1750	.....	.....	22	.....
40C38	40	159	58	36	O	850	O	40	1750	.....	.....	12	.....
F50C46A	50	148	61	36	O	740	O	50	1750	.....	.....	22	.....
50C46A	50	148	84	36	O	(2) 528	O	(2) 25	1750	.....	.....	12	.....
F60C49	50	160	82	36	O	(2) 450	O	(2) 30	1750	.....	.....	22	.....
60C49	60	160	82	36	O	(2) 648	O	(2) 30	1750	.....	.....	12	.....
F80C57A	80	167	84	36	O	(2) 580	O	(2) 40	1750	.....	.....	22	.....
80C57A	80	167	84	36	O	(2) 850	O	(2) 40	1750	.....	.....	12	.....
F100C58A	100	179	84	36	O	(2) 740	O	(2) 50	1750	.....	.....	22	.....
A. Brown Products Corp., 97-12 Metropolitan Ave., Forest Hills, N. Y. — "Brown Water Chiller"													
BWC-2W	2	18	22	24	H	1725	T	2	1725	1	230	22	180
BWC-3W	3	18	27	24	H	1725	T	3	1725	1—3	230/220	22	295
BWC-5W	5	24½	28	28	H	1725	T	5	1725	1—3	230/220	22	495
BWC-10W	10	28½	40	54	H	1725	T	(2) 5	1725	3	220	22	1050
BWC-15W	15	28½	40	84	H	1725	T	(3) 5	1725	3	220	22	1575
BWC-20W	20	28½	40	114	H	1725	T	(4) 5	1725	3	220	22	2100
BWC-25W	25	28½	40	144	H	1725	T	(5) 5	1725	3	220	22	2625
BWC-21	2	24	54½	32	H	1725	T	2	1725	1	230	22	300
BWC-31	3	24	54½	32	H	1725	T	3	1725	1—3	230/220	22	410
American Blower Div. of American-Standard, 8111 Tireman Ave., Detroit, Mich. — "American Blower"													
CC20	18.9	133¾	60	32¼	O	997	*	20	1800	3	220/440	22	2740
CC25	23.6	122½	62⅞	32¼	O	1320	*	25	1800	3	220/440	22	3075
CC30	30.4	134⅞	64⅜	32¼	O	997	*	30	1800	3	220/440	22	3460
CC40	40.5	137⅜	70½	39½	O	711	*	40	1800	3	220/440	22	4920
CC50	50.0	161⅞	70½	39½	O	870	*	50	1800	3	220/440	22	5460
CC60	55.1	126⅛	70¾	42	O	950	*	60	1800	3	220/440	22	5875
CC75	74.2	141⅞	84	53¾	O	525	*	75	1800	3	220/440	22	8600
CC100	100.5	191⅛	84⅜	53¾	O	715	*	100	1800	3	220/440	22	9985
CC125	121.5	158⅞	88	53¾	O	848	*	125	1800	3	220/440	22	10,900
CC150	148	186⅞	98½	55¾	O	710	*	150	1200	3	220/440	22	13,200

*Worthington

ROOM AIR CONDITIONERS

Model No.	Cooling Capacity BTUH	Heating Type	Cabinet Size (In.) W	H	D	Flush Mount	Electrical Characteristics Volts	Amps	Air Capacity CFM Circ.	Fresh	Exhaust	Compressor HP	Make	Fan Motor Evap. RPM	HP	Coil Cond. Rows	Evap. Rows	Refrig. No.	Air Filter Size (In.)	Application of Unit Window Convent.	Case.	In the wall	Net Wt. (lb.)
General Electric Co., Room Air Conditioning Dept., Appliance Park, Louisville, Ky. — "General Electric"																							
R446R	6000	.....	25	13	13	....	115	7.5	.....	.....	.....	1	T	1550/1250	1/12	2	2	22	13x14⅜	√	....	....	114
R462R	9000	.....	26	15⅛	16⅞	√	115	12	.....	.....	.....	1	O	1630	⅛	2**	2	22	11x19	√	√	√	115
R472R	10,000	.....	26	15⅛	16⅞	√	230	7.0	.....	.....	.....	1	O	1650	⅛	2**	2	22	11x19	√	√	√	115
R4473R	10,200	R & E*	25	20⅜	19½	√	230	6.8	.....	.....	.....	1	T	1625	1/20	3	3	22	17⅛x9⅝	√	√	√	197
R681R	14,500	.....	25	20⅜	19½	√	230	10.0	.....	.....	.....	1½	T	1600	1/12	3 & 2	4	22	17⅛x9⅝	√	√	√	184

*Reverse cycle above 42° F outdoor ambient — 3000 watt resistance heat below 42° F outdoor ambient. **Circular.

Ed Friedrich, Inc., 1117 E. Commerce St., San Antonio, Texas — "Floating Air"																							
8W751S	9000	.....	27⅜	17 13/16	33⅜	√	115	11.7	350	0-88	.....	¾	T	1075	⅛	3	3	12	9⅛x20½	√	....	....	220
8W1002S	11,700	.....	27⅜	17 13/16	33⅜	√	230	7.5	380	0-95	.....	1	T-C	1075	⅛	3	3	22	9⅛x20½	√	....	....	220
8W1502S	17,200	.....	28	20⅛	38½	√	230	9.7	600	0-150	.....	1½	T	1075	¼	4	4	22	12⅞x22½	√	....	....	275
8W2002S	22,100	.....	28	20⅛	38½	√	230	12.7	580	0-145	.....	2	T	1075	¼	4	5	22	12⅞x22½	√	....	....	280

ROOM AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH	Heating Type	Cabinet Size (In.) W	H	D	Flush Mount	Electrical Characteristics Volts	Amps	Air Capacity CFM Circ.	Fresh	Exhaust	Compressor HP	Make	Fan Motor Evap. RPM	HP	Coil Cond. Rows	Evap. Rows	Refrig. No.	Air Filter Size (In.)	Application of Unit Window Convent.	Case.	In the wall	Net Wt. (lb.)
Mercury Div., Lord & Palmer, Inc., Belding, Mich. — "Mercury"																							
MW101C	8535	.....	30¼	16½	16⅞	√	115	10.8	375	55	75	1	T	1530	⅛	2	2	22	16x11⅝x½	√	....	√	165
MW102C	10040	.....	30¼	16½	16⅞	√	230	6.9	375	55	75	1	T	1530	⅛	2	2	22	16x11⅝x½	√	....	√	165
MW152C	12380	.....	30¼	16½	16⅞	√	230	9.3	375	55	75	1½	T	1530	⅛	3	2	22	16x11⅝x½	√	....	√	170
MB101	8535	.....	31	16⅞	16⅞	√	115	10.8	375	55	75	1	T	1530	⅛	2	2	22	16x11⅝x½	√	....	√	186
MB102	10040	.....	31	16⅞	16⅞	√	230	6.9	375	55	75	1	T	1530	⅛	2	2	22	16x11⅝x½	√	....	√	186
MB152	12380	.....	31	16⅞	16⅞	√	230	9.3	375	55	75	1½	T	1530	⅛	3	2	22	16x11⅝x½	√	....	√	195
Welbilt Corp., 57-18 Flushing Ave., Maspeth, N. Y. — "Welbilt"																							
8WJ2*	6300	.....	22½	13⅜	15½	....	115	7.5	200	85	150	1	T	1550	⅛	..	..	....	9x16	√	....	....	125
8W02*	8800	.....	26½	18¾	16½	....	115	7.5	200	85	150	1	T	1050	⅛	..	..	....	8x19¾	√	....	....	157
8WT2**	11,000	.....	26½	18¾	16½	....	230	10	320	100	150	1	T	1100	⅛	..	..	....	8x19¾	√	....	....	157
8WW2	13,000	.....	26½	18¾	16½	....	230	12	320	100	150	1½	T	1100	⅛	..	..	....	8x19¾	√	....	....	162
8WU2	11,500	.....	26½	18¾	16½	....	115	12	320	100	150	1½	T	1100	⅛	..	..	....	8x19¾	√	....	....	162
8WY2*	15,000	.....	26½	18¾	16½	....	230	12	320	100	150	2	T	1100	⅛	..	..	....	8x19¾	√	....	....	170
8WJ4	63,000	.....	22½	13⅜	15½	....	115	7.5	200	85	150	1	T	1550	¼	..	..	....	9x16	....	....	√‡	125
8WM4	7000	.....	22½	13⅜	15½	....	230	6.5	200	85	150	1	T	1550	⅛	..	..	....	9x16	....	....	√‡	125
8WO4*	8800	.....	26½	18¾	16½	....	115	7.5	300	100	150	1	T	1050	⅛	..	..	....	8x19¾	....	....	√‡	157
8WT4*	11,000	.....	26½	18¾	16½	....	230	10	320	100	150	1	T	1100	⅛	..	..	....	8x19¾	....	....	√‡	157
8WV4	13,000	.....	26½	18¾	16½	....	208	12	320	100	150	1½	T	1100	⅛	..	..	....	8x19¾	....	....	√‡	162
8WV4*	15,000	.....	26½	18¾	16½	....	230	12	320	100	150	2	T	1100	⅛	..	..	....	8x19¾	....	....	√‡	170

*Also available for 208 or 230 volts. ‡Transom or in the wall. **Also available for 208 volts.

Kelvinator Div., American Motors Corp., 14250 Plymouth Rd., Detroit, Mich. — "Kelvinator"																							
RH-1041	8200*	R	26⅝	16¹³⁄₁₆	17¾	√	115	12	250	.....	.....	1	T	1550	¹/₁₀	3	2	22	14⅜x14⅝x½	√	....	√	172
RH-1061	6600*	R	26⅝	16¹³⁄₁₆	17¾	√	115	7.5	210	.....	50	1	T	1550/1100	⅛	3	2	22	14⅜x14⅝x½	√	....	√	176
RH-1081	9400*	R	26⅝	16¹³⁄₁₆	17¾	√	115	12	275	.....	60	1	T	1550/1100	⅛	3	2	22	14⅜x14⅝x½	√	....	√	176
RH-1082	10,400*	R	26⅝	16¹³⁄₁₆	17¾	√	230	6.8	275	.....	60	1	T	1550/1100	⅛	3	2	22	14⅜x14⅝x½	√	....	√	176
RH-1581	10,500*	R	26⅝	16¹³⁄₁₆	23¾	√	115	12	300	.....	65	1½	T	1550/1100	⅛	3	2	22	14⅜x14⅝x½	√	....	√	202
RH-2082	14,700*	R	26⅝	16¹³⁄₁₆	23¾	√	230	11.2	325	.....	75	2	T	1550/1100	¼	3	3	22	14⅜x14⅝x½	√	....	√	203
RH-2092	16,500*	R	27⅜	17¼	29¼	....	230	11.4	375	55	75	2	T	1550/ 1200/1000	½	3	3	22	14⅜x14⅝x½	√	....	√	230
RH-10710	7000*	.....	15½	22	21⅜	....	115	7.5	300	150	.....	1	T	1550/1100	¹/₂₀	3	2	22	(2)9¹¹⁄₁₆x7¹³⁄₁₆x½	....	√	....	142

*Capacities shown are tentative — taken from test models and are subject to revision when production models are available.

Admiral Corp., 3800 Cortland St., Chicago, Ill. — "Admiral"																							
75M7A	6100	.....	26¼	20	16¾	√	115	7.5	260	0-55	55	¾	T	1085/975	¹/₁₅	2	2	22	11x17x½	√	....	√	147
100M12A	8500	.....	26¼	20	16¾	√	115	12.0	300	0-70	70	1	T	1075/950	¹/₁₂	3	3	22	11x17x½	√	....	√	161
100M23A	9800	.....	26¼	20	16¾	√	230	7.5	300	0-70	70	1	T	1075/950	¹/₁₀	3	3	22	11x17x½	√	....	√	167
150S12	10,200	.....	26¼	20	16¾	√	115	12.0	310	.....	.....	1½	T	1100	¹/₁₀	3	3	22	11x17x½	√	....	√	174
150L12	10,200	.....	26¼	20	16¾	√	115	12.0	310	0-75	75	1½	T	1100/980	¹/₁₀	3	3	22	11x17x½	√	....	√	175
150L23	13,200	.....	26¼	20	20½	√	230	11.0	425	0-90	90	1½	T	1075/950	⅛	3	3	22	11x17x½	√	....	√	188
200S23	15,200	.....	26¼	20	20½	√	230	12.0	425	.....	.....	2	T	1080	⅛	3	4	22	11x17x½	√	....	√	194
200L23	16,000	.....	26¼	20	20½	√	230	12.0	430	0-100	100	2	T	1100/980	⅛	4	4	22	11x17x½	√	....	√	200
100S7	*	.....	26¼	14	17	√	115	7.5	250	.....	.....	1	T	1100	¹/₁₅	3	2	22	11½x9¼x½	√	....	√	134
100L7	*	.....	26¼	14	17	√	115	7.5	250	0-60	60	1	T	1100/950	¹/₁₅	3	2	22	11½x9¼x½	√	....	√	135
100L12	*	.....	26¼	14	17	√	115	12.0	270	0-70	70	1	T	1120/1000	¹/₁₀	3	3	22	11½x9¼x½	√	....	√	148
100S23	*	.....	26¼	14	17	√	230	7.0	270	.....	.....	1	T	1080	¹/₁₀	3	3	22	11½x9¼x½	√	....	√	147
100L23	*	.....	26¼	14	17	√	230	7.0	270	0-70	70	1	T	1080/980	¹/₁₀	3	3	22	11½x9¼x½	√	....	√	148
75L7	*	.....	17	12	15	....	115	7.5	170	.....	.....	½	T	1475	¹/₂₀	2	2	12	8x11x¼	√	....	....	67

*Complete data not available.

Emerson Electric Mfg. Co., 8100 Florissant Ave., St. Louis, Mo. — "Emerson-Electric Northwind"																							
AC8-13-15P	3150	.....	16¹⁵⁄₁₆	12	14⅞	√	115	6.8	135	.....	.....	.....	T	1500	¹/₂₅	2	2	12	10½x7½	√	√	....	59
AC8-10-15LT	7000	.....	23¹⁵⁄₁₆	15³⁄₃₂	18¹⁵⁄₁₆	√	115	7.5	270/ 220	20	75	1 *	T	1050/900	¹/₁₂	2	2	22	16¾x10½x¼	√	....	√	131
AC8-15-30T	11,000	.....	22½	14¼	24⅛	√	230	12	300/ 280	60/ 40	75/ 65	1½	T	1500/1350	¹/₁₀	2	3	22	15x9	√	....	√	170
AC8-20-30D	15,500	.....	23¹⁵⁄₁₆	17¹⁵⁄₁₆	23¹⁵⁄₁₆	√	230	12	450	.....	.....	2	T	1500	⅛	4	4	22	16¾x10½x¼	√	....	√	196
AC8-10-15AC	9000	.....	15½	25⅜	21⅞	....	115	12	300/ 275	70/ 60	.....	1	T	1500/1350	¹/₁₀	3	2	22	11¼x8½x¼	....	√	....	165
AC8-20-30T	17,500	.....	26⅞	17¹⁵⁄₁₆	20¹⁵⁄₁₆	√	230	12	400/ 375	105/ 95	130/ 110	2	T	1050/950	⅛	3	4	22	17x11	√	....	√	184

ROOM AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH	Heating Type	Cabinet Size (In.) W	H	D	Flush Mount	Electrical Characteristics Volts	Amps	Air Capacity CFM Circ.	Fresh	Exhaust	Compressor HP	Make	Fan Motor Evap. RPM	HP	Coil Cond. Rows	Evap. Rows	Refrig. No.	Air Filter Size (In.)	Application of Unit Window Convent.	Case.	In the wall	Net Wt. (lb.)
Olympic Radio & Television, Div. of Unitronics Corp., 34-01 38th Ave., Long Island City, N. Y. — "Olympic"																							
OW775D	.....	.....	16⅝	26½	30⅜	....	115	7.5	.....	.....	.....	¾	..	.....	....	..	..	22	.....	√	....	....	165
OW7100D	.....	.....	16⅝	26½	30⅜	....	115	12	.....	.....	.....	1	..	.....	....	..	..	22	.....	√	....	....	180
OW6100D	.....	.....	16⅝	26½	30⅜	....	230	7.0	.....	.....	.....	1	..	.....	....	..	..	22	.....	√	....	....	180
OW7200D	.....	.....	16⅝	26½	33⅜	....	230	12	.....	.....	.....	2	..	.....	....	..	..	22	.....	√	....	....	230
OT785C	.....	.....	20½	26⅜	17⅜	√	115	7.5	.....	.....	.....	¾	..	.....	....	..	..	22	.....	√	....	....	165
OT7110C	.....	.....	20½	26⅜	17⅜	√	115	12	.....	.....	.....	1	..	.....	....	..	..	22	.....	√	....	....	180
OW8100S	.....	.....	15⅜	24	18¼	√	230	7.0	.....	.....	.....	1	..	.....	....	..	..	22	.....	√	....	....	180
OW8110D	.....	.....	15⅜	24	18¼	√	115	7.5	.....	.....	.....	1	..	.....	....	..	..	22	.....	√	....	....	180
OW8200D	.....	.....	17⅞	24	24	√	230	12	.....	.....	.....	2	..	.....	....	..	..	22	.....	√	....	....	230
Mathes Co., Div. of Glen Alden Corp., 1501 E. Broadway, Fort Worth, Texas — "Mathes"																							
908*	9000	.....	27⅞	17½	21	√	115	11.9	350	.....	.....	1	C	1050	⅛	2	2	22	16¼x19⅛	√	....	....	190
1065*	10,200	.....	27⅞	17½	21	√	230	7.9	400	.....	.....	1	C	1050	1/7	2	2	22	16¼x19⅛	√	....	....	190
165D	17,000	.....	27⅞	17½	25½	√	230	9.7	490	.....	.....	1½	B-W	1140	⅛	3	3	22	16¼x19⅛	√	....	....	240
135D	13,300	.....	27⅞	17½	25½	√	230	11.6	490	.....	.....	2	B-W	1140	⅛	4	4	22	16¼x19⅛	√	....	....	255
122D	11,500	.....	27⅞	21½	27½	√	115	12.0	440	.....	.....	1	C	1050	1/7	3	4	22	20x20	√	....	....	280
122C	11,500	.....	27⅞	21½	28	√	115	12.0	440	.....	.....	1	C	1050	1/7	3	4	22	13⅞x19¾	√	....	....	280
132D	13,200	.....	27⅞	21½	27½	√	230	9.8	470	.....	.....	1	C	1080	⅛	2	3	22	20x20	√	....	....	280
142C																							
142CHP	14,000	*	27⅞	21½	28	√	230	8.2	510	.....	.....	1	C	1140	⅛	2	3	22	13⅞x19¾	√	....	....	280
21D	21,000	.....	27⅞	21½	29	√	230	13.5	650	.....	.....	2	B-W	1140	⅛	2	3	22	20x20	√	....	....	300
21C																							
21CHP	21,000	*	27⅞	21½	29½	√	230	13.5	650	.....	.....	2	B-W	1140	⅛	2	3	22	13⅞x19¾	√	....	....	300
24D																							
24C	23,500	.....	27⅞	21½	29	√	230	13.7	580	.....	.....	2½	B-W	1140	⅛	3	4	22	20x20	√	....	....	305
24CHP	23,500	*	27⅞	21½	29½	√	230	13.7	580	.....	.....	2½	B-W	1140	⅛	3	4	22	13⅞x19¾	√	....	....	305
*Available as Heat Pump (reverse cycle)																							
Emerson Radio and Phonograph Corp., 46 Oliver St., Newark, N. J. — "Quiet Kool"																							
7P1‡	7800	.....	30	17	15¾	√	115	60	260/225	70	100	¾	T	1050	1/12	2	3	22	½x8½x20	√	•	••	135
7P7	6250	.....	30	17	15¾	√	115	60	260/225	70	100	¾	B-W	1050	1/12	1	2	22	½x8½x20	√	•	••	135
9P1	8400	.....	30	17	15¾	√	115	60	330/285	85	120	1	T-BW	1550	⅛	2	4	22	½x8½x20	√	•	••	140
9P2‡‡	9400	.....	30	17	15¾	√	230	60	330/285	85	120	1	T	1550	⅛	2	4	22	½x8½x20	√	•	••	140
E10G2	10,500	.....	26¼	16	32¼	√	230	60	340/290	85	110	1	T	1050	1/12	2	2	22	½x9⅞x21¾	√	....	....	190
E15G2	13,500	.....	26¼	16	32¼	√	230	60	410/350	100	120	1½	T	1050	⅛	3	3	22	½x9⅞x21¾	√	....	....	210
E20G2	16,000	.....	26¼	16	32¼	√	230	60	450/390	120	140	2	T	1120	⅓	4	4	22	½x9⅞x21¾	√	....	....	220
E30G2	.....	.....	26¼	16	32¼	√	230	60	550	.....	210	3	B-W	1500	½	5	5	22	½x9⅞x21¾	√	....	....	230
500	.....	.....	21⅛	12⅞	11¼	....	115	60	150	.....	.....	½	T	1500	1/15	1	1	12	9½x12	√	•	....	60
550	.....	.....	21⅛	12⅞	11¼	....	115	60	150	.....	.....	½	T	1500	1/15	1	1	12	9½x12	√	•	....	60
‡Also available for 230/208 volts. ‡‡Also available for 208 volts. *Casement Kit available. **Thru-the-Wall Models available.																							
McGraw-Edison Co., Lonergan Coolerator Div., Albion, Mich. — "Manning-Bowman"																							
MD10A17	.....	.....	26⅜	15¾	17	√	115	7.5	350	50	35	1	T	1000	1/12	3	2	22	.....	√	....	....	165
MD10A1	.....	.....	26⅜	15¾	17	√	115	12	350	50	35	1	T	1000	1/12	2	..	22	.....	√	....	....	165
MD10A2*	.....	.....	26⅜	15¾	17	√	230	6	400	50	35	1	T	1000	1/12	2	2	22	.....	√	....	....	170
MD15A2*	.....	.....	26⅜	15¾	17	√	230	10	425	55	35	1½	T	1000	1/12	3	3	22	.....	√	....	....	190
MD20A2	.....	.....	26⅜	17¾	27⅜	√	230	11	500	60	40	2	T	1000	1/7	2	2	22	.....	√	....	....	225
MI10A17	.....	.....	26⅜	15¾	17⅞	√	115	7.5	350	50	35	1	T	1050/900	1/10	3	3	22	.....	√	....	....	180
MI10A2‡*	.....	.....	26⅜	15¾	17⅞	√	230	8	400	50	35	1	T	1050/900	1/10	2	2	22	.....	√	....	....	185
MI15A1	.....	.....	26⅜	15¾	17⅞	√	115	12	425	55	35	1½	T	1050/900	1/10	3	3	22	.....	√	....	....	195
MI15A2	.....	.....	26⅜	15¾	17⅞	√	230	10	425	55	35	1½	T	1050/900	1/10	3	3	22	.....	√	....	....	195
MI20A2*	.....	.....	26⅜	17¾	27⅜	√	230	11	500	60	40	2	T	1050/900	⅛	3	3	22	.....	√	....	....	230
MI25A2*	.....	.....	26⅜	17¾	27⅜	√	230	12	550	60	40	2½	T	1050/900	⅛	4	4	22	.....	√	....	....	240
MD5A17	.....	.....	16	11⅞	16	√	115	7.5	125	.....	.....	½	T	1550	1/20	3	3	12	.....	√	√	....	65
*Also available for 208 volts. ‡Available with reverse cycle heating.																							
Mueller Climatrol, Div. of Worthington Corp., 2005 W. Oklahoma Ave., Milwaukee, Wis. — "Mueller Climatrol"																							
920-75	8700	*	32½	30	15½	....	208 230	7.0 6.3	320	75	75	¾	T	1050	35**	4	3	22	9¾x27¾x1	....	....	√	355
920-100	11,400	*	32½	30	15½	....	208 230	9.2 8.1	380	100	100	1	T	1050	35**	4	3	22	9¾x27¾x1	....	....	√	360
920-101	11,400	*	37	23⅜	13⅞	....	208 230	9.2 8.1	380	100	100	1	T	1050	35**	4	3	22	9x27x½	....	....	√	370
*Stream or hot water. **Milli-horsepower.																							

ROOM AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH	Heating Type	Cabinet Size (In.) W	H	D	Flush Mount	Electrical Characteristics Volts	Amps	Air Capacity CFM Circ.	Fresh	Exhaust	Compressor HP	Make	Fan Motor Evap. RPM	HP	Coil Cond. Rows	Evap. Rows	Refrig. No.	Air Filter Size (In.)	Application of Unit Window Convent.	Case.	In the wall	Net Wt. (lb.)
International Mfg. Co., 600 E. Grand Ave., Oklahoma City, Okla.																							
CHW-60	6000	*	.....	.....	**	....	115	1.15	200	50	.....	.....	***	.....	***	4	..	†	.....	....	....	††	30
CHW-90	9000	*	.....	.....	**	....	115	1.15	300	75	.....	.....	***	.....	***	4	..	†	.....	....	....	‡†	37
CHW-120	12,000	*	.....	.....	**	....	115	1.15	400	100	.....	.....	***	.....	***	4	..	†	.....	....	....	††	43
CHW-180	18,000	*	.....	.....	**	....	115	1.6	600	150	.....	.....	***	.....	***	4	..	†	.....	....	....	††	59
CHW-240	24,000	*	.....	.....	**	....	115	1.6	800	200	.....	.....	***	.....	***	4	..	†	.....	....	....	††	80
CHW-300	30,000	*	.....	.....	**	....	115	1.6	1000	250	.....	.....	***	.....	***	4	..	†	.....	....	....	††	92
CHW-360	36,000	*	.....	.....	**	....	115	1.6	1200	300	.....	.....	***	.....	***	4	..	†	.....	....	....	††	103
CEW-60	6000	*	23	12¼	24	....	115	1.15	200	50	.....	.....	***	.....	***	4	..	†	1x10x15	....	....	‡	66
CEW-90	9000	*	23	28½	24	....	115	1.15	300	75	.....	.....	***	.....	***	4	..	†	1x10x18	....	....	‡	76
CEW-120	12,000	*	23	31¾	24	....	115	1.15	400	100	.....	.....	***	.....	***	4	..	†	1x10x23	....	....	‡	90
CEW-180	18,000	*	23	40	24	....	115	1.6	600	150	.....	.....	***	.....	***	4	..	†	1x10x30	....	....	‡	104
CEW-240	24,000	*	23	54¼	24	....	115	1.6	800	200	.....	.....	***	.....	***	4	..	†	(2)1x10x23 1x10x23	....	....	‡	175
CEW-300	30,000	*	23	62¼	24	....	115	1.6	1000	250	.....	.....	***	.....	***	4	..	†	1x10x30	....	....	‡	194
CEW-360	36,000	*	23	70¼	24	....	115	1.6	1200	300	.....	.....	***	.....	***	4	..	†	(2)1x10x30	....	....	‡	198
FHW-60	6000	*	.....	.....	**	....	115	1.15	200	50	.....	.....	***	.....	***	4	..	†	1x10x15	....	....	√‡‡	60
FHW-90	9000	*	.....	.....	**	....	115	1.15	300	75	.....	.....	***	.....	***	4	..	†	1x10x18	....	....	√‡‡	70
FHW-120	12,000	*	.....	.....	**	....	115	1.15	400	100	.....	.....	***	.....	***	4	..	†	1x10x27	....	....	√‡‡	89
FHW-180	18,000	*	.....	.....	**	....	115	1.6	600	150	.....	.....	***	.....	***	4	..	†	1x10x30	....	....	√‡‡	99
FHW-240	24,000	*	.....	.....	**	....	115	1.6	800	200	.....	.....	***	.....	***	4	..	†	(2)1x10x23 1x10x23	....	....	√	170
FHW-300	30,000	*	.....	.....	**	....	115	1.6	1000	250	.....	.....	***	.....	***	4	..	†	1x10x30	....	....	√	179
FHW-360	36,000	*	.....	.....	**	....	115	1.6	1200	300	.....	.....	***	.....	***	4	..	†	(2)1x10x30	....	....	√	193
FEW-60	6000	*	30⅝	25	11¾	....	115	1.15	200	50	.....	.....	***	.....	***	4	..	†	1x10x15	....	....	‡‡‡	86
FEW-90	9000	*	30⅝	25	11¾	....	115	1.15	300	75	.....	.....	***	.....	***	4	..	†	1x10x18	....	....	‡‡‡	88
FEW-120	12,000	*	35⅝	25	11¾	....	115	1.15	400	100	.....	.....	***	.....	***	4	..	†	1x10x23	....	....	‡‡‡	112
FEW-180	18,000	*	43⅛	25	11¾	....	115	1.6	600	150	.....	.....	***	.....	***	4	..	†	1x10x30	....	....	‡‡‡	135
FEW-240	24,000	*	57⅝	25	11¾	....	115	1.6	800	200	.....	.....	***	.....	***	4	..	†	(2)1x10x23 1x10x23	....	....	‡‡‡	230
FEW-300	30,000	*	65⅛	25	11¾	....	115	1.6	1000	250	.....	.....	***	.....	***	4	..	†	1x10x30	....	....	‡‡‡	252
FEW-360	36,000	*	73⅛	25	11¾	....	115	1.6	1200	300	.....	.....	***	.....	***	4	..	†	(2)1x10x30	....	....	‡‡‡	263

*Chilled hot water forced air. **No cabinets. ***Not enclosed in unit. †Chilled water. ††In closet at ceiling. ‡Hung from ceiling. ‡‡Or closet. ‡‡‡Free standing console.

Airtemp Div., Chrysler Corp., 1600 Webster St., Dayton, Ohio — "Airtemp"																							
1675-18	6500	.....	.....	.....	.....	√	115	7.5	215	.....	.....	¾	T	1050	⅓₂₀*	3	1	22	11x23½x½	√	....	....	190
1675-20	8000	.....	.....	.....	.....	√	115	11.6	295	.....	.....	¾	T	1050	⅓₁₂*	3	1	22	11x23½x½	√	....	....	192
1600-19	9900	.....	.....	.....	.....	√	230	7.0	340	50	100	1	T	1050	⅓₁₀*	4	1	22	11x23½x½	√	....	....	205
1600-21	9000	.....	.....	.....	.....	√	115	12.0	330	50	90	1	T	1050	⅓₁₀*	4	1	22	11x23½x½	√	....	....	195
1600-22	8200	.....	.....	.....	.....	√	115	12.0	235	.....	.....	1	T	1550	⅓₁₂*	2	1	22	11x23½x½	√	....	....	195
1600-24	9600	.....	.....	.....	.....	√	230	7.0	370	.....	.....	1	T	1050	⅓₁₀*	3	1	22	11x23½x½	√	....	....	205
1600-26	8000	R	.....	.....	.....	√	115	12	235	.....	.....	1	T	1550	⅓₁₂*	2	1	22	11x23½x½	√	....	....	200
1615-3	13,800	.....	.....	.....	.....	√	208/230	10.7	340	65	100	1½	T	1050	⅓₁₀*	3	2	22	11x23½x½	√	....	....	210
1620-3	16,000	.....	.....	.....	.....	√	208/230	12.0	414	80	125	2	T	1500	¼*	3	2	22	11x23½x½	√	....	....	220
1750-2	5000	.....	.....	.....	.....	**	115	7.5	175	.....	.....	½	T	1550	⅛₂₀	3	1	12	(2)8⅜x11¼x⅜	....	√	....	131
1775-3	6800	.....	.....	.....	.....	**	115	11.9	230	60	94	¾	T	1550	⅛₂₀	3***	1	22	(2)8⅜x11¼x⅜	....	√	....	140
1775-7	5600	.....	.....	.....	.....	**	115	7.5	230	60	94	¾	T	1550	⅛₂₀	3***	1	22	(2)8⅜x11¼x⅜	....	√	....	140
1700-1	7900	.....	.....	.....	.....	**	115	12.0	250	65	100	1	T	1550	⅛₂₀	4***	2	22	(2)8⅜x11¼x⅜	....	√	....	160
1850	5300	.....	.....	.....	.....	√	115	7.5	200	30	90	½	T	1050	20M	2	1	12	12¾x23⅜x½	√	....	√	127
1875	7500	.....	.....	.....	.....	√	115/ 208/230	11.9/ 6.5/6.0	290	40	110	¾	T	1550	20M	3	2	22	12¾x23⅜x½	√	....	√	137
1800	9000	.....	.....	.....	.....	√	208/230	8.8/7.9	325	50	120	1	T	1550	⅓₂₀	3	2	22	12¾x23⅜x½	√	....	√	151
1800-9602†	8800	‡	36	26¾	22½	....	208/230	8.8/7.9	300	46	110	1	T	1550	⅓₂₀	3	2	22	12¾x23⅜x½	....	....	√	230
1875-9602†	7300	‡	36	26¾	22½	....	115/ 208/230	11.9/ 6.5/6.0	275	37	104	⅜	T	1050	⅓₂₀	3	2	22	12¾x23⅜x½	....	....	√	215
1850-9602†	4900	‡	36	26¾	22½	....	115	7.5	200	30	90	½	T	1050	⅓₂₀	2	1	12	12¾x23⅜x½	....	....	√	200
1520§	8100	‡‡	27⅛	26¾	10	††	115	0.5	205	20	.....	.....	..	1050	⅓₂₀	..	3	....	12¾x23⅜x½	....	....	√	130
1530§	9550	‡‡	27⅛	26¾	10	††	115	0.5	240	25	.....	.....	..	1050	⅓₂₀	..	3	....	12¾x23⅜x½	....	....	√	130
1540§	13,200	‡‡	27⅛	26¾	10	††	115	1.4	405	40	.....	.....	..	1550	⅓₂₀	..	3	....	12¾x23⅜x½	....	....	√	130

*Single motor for both evaporator and condenser. **Fits entirely on inside of window. ***Plus 6½ ft. of ¼" tube and fin supplemental condenser coil.
†Same as 1850, 1875 and 1800 but with Model 9602 Heating Adapter Kit added. ‡Hot Water or steam. ‡‡Hot Water. ††Available as accessory. §Fan Coil Unit.

Forston Co., Mfg., 1400 Conti St., Houston, Texas — "Forston"																							
F108-T	.....	.....	27	17	31	√	230	6.0	393	.....	.....	1	T	1550	½₂₅	4	3	22	(2)5x15x½	√	....	....	200
E2008	.....	.....	27	18½	43	√	230	12.8	400	.....	.....	2	T	1050	¼	4	3	22	(2)9⅛x19⅞x½	√	....	....	350

ROOM AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH	Heating Type	Cabinet Size (In.) W	H	D	Flush Mount	Electrical Characteristics Volts	Amps	Air Capacity CFM Circ.	Fresh	Exhaust	Compresser HP	Make	Fan Motor Evap. RPM	HP	Coil Cond. Rows	Evap. Rows	Refrig. No.	Air Filter Size (In.)	Application of Unit Window Convent.	Case.	In the wall	Net Wt. (lb.)
Amana Refrigeration, Inc., Amana, Iowa — "Amana"																							
100LC2N	*	.....	25	13¼	16¾	√	115	7.5	200	.....	.....	1	T	1100	1/12	2	2	22	10x12	√	....	....	120
100LCS2N	*	.....	25	13¼	16¾	√	115	7.5	200	40	.....	1	T	950/1100	1/12	2	2	22	10x12	√	....	....	120
100C2N	*	.....	25	13¼	16¾	√	115	12.0	230	40	.....	1	T	950/1100	1/12	2	3	22	10x12	√	....	....	120
100C3N	*	.....	25	13¼	16¾	√	230	6.0	230	40	.....	1	T	950/1100	1/12	2	3	22	10x12	√	....	....	120
75LA2N	6900	.....	25	15	28	√	115	7.5	250	80	100	¾	T	950/1100	1/12	2	2	22	11¾x12⅛	√	....	√	155
100LA2N	7900	.....	25	15	28	√	115	7.5	300	85	105	1	T	950/1100	1/12	4	2	22	11¾x12⅛	√	....	√	167
100A2N	9000	.....	25	15	28	√	115	11.0	300	85	105	1	T	950/1100	1/12	3	3	22	11¾x12⅛	√	....	√	167
100A3N	10,500	.....	25	15	28	√	230	8.0	300	85	105	1	T	950/1100	1/10	2	3	22	11¾x12⅛	√	....	√	170
150A2N	12,000	.....	25	15	28	√	115	12.0	325	90	110	1½	T	1250/1350	⅛	4	2	22	11¾x12⅛	√	....	√	176
150AS3N	12,200	.....	25	15	28	√	230	9.5	350	90	110	1½	T	1250/1400	⅓	2	3	22	11¾x12⅛	√	....	√	182
150A3N	14,100	.....	25	15	28	√	230	9.5	350	90	110	1½	T	1250/1400	⅓	3	2	22	11¾x12⅛	√	....	√	182
200A3N	16,200	.....	25	15	28	√	230	11.5	400	90	110	2	T	1250/1400	⅓	4	2	22	11¾x12⅛	√	....	√	194
100A3HN	*	R	25	15	28	√	230	8.0	300	85	105	1	T	950/1100	1/10	2	2	22	11¾x12⅛	√	....	√	171
150A2HN	*	R	25	15	28	√	115	12.0	325	90	110	1½	T	1250/1350	⅛	4	2	22	11¾x12⅛	√	....	√	181
150A3HN	*	R	25	15	28	√	230	9.5	350	90	110	1½	T	1250/1350	⅓	3	3	22	11¾x12⅛	√	....	√	187
200A3HN	*	R	25	15	28	√	230	11.5	400	90	110	2	T	1250/1400	⅓	4	2	22	11¾x12⅛	√	....	√	194
100F3HN	*	R	27	18	15½	√	230	7.5	300	100	100	1	T	900/1100	1/12	4	4	22	18¼x9⅜	√	√**	√	170
75LF2N	6600	.....	27	18	15½	√	115	7.5	275	80	80	¾	T	850/1050	1/10	4	3	22	18¼x9⅜	√	√**	√	155
100LF2N	7200	.....	27	18	15½	√	115	7.5	275	80	80	1	T	850/1050	1/10	4	3	22	18¼x9⅜	√	√**	√	155
100F3N	10,200	.....	27	18	15½	√	230	7.5	300	100	100	1	T	900/1100	1/12	4	4	22	18¼x9⅜	√	√**	√	170
75LD2N	6000	E	25	15	32 21/32	√	115	7.5	295	100	80	¾	T	850/1050	1/12	4	2	22	18¼x9⅜	√	√**	√	178
100D2N	8400	E	25	15	32 21/32	√	115	12	375	120	100	1	T	1250/1350	⅛	4	3	22	18¼x9⅜	√	√**	√	188
150D3N	13,100	E	25	15	31 3/16	√	230	9.5	415	130	115	1½	T	1300/1480	⅓	4	3	22	18¼x9⅜	√	....	√	208
200D3N	15,600	E	25	15	31 3/16	√	230	11.5	415	130	115	2	T	1300/1480	⅓	4	3	22	18¼x9⅜	√	....	√	216

*Production tests not completed. **Special Installation Kit required for Casement Window Installation.

Gibson Refrigerator Co., Div. of Hupp Corp., Greenville, Mich.

1-3871	.....	.....	23 13/16	15 5/32	18 3/16	√	115	7.5	275	35	60	1	T	1100/900	1/10	2	2	22	10½x16¾x½	√	....	√	129
1-3802	.....	.....	23 13/16	15 5/32	18 3/16	√	230	8.0	275	.....	.....	1	T	1100	1/10	2	2	22	10½x16¾x½	√	....	√	129
1-3812	.....	.....	23 13/16	15 5/32	18 3/16	√	230	8.0	275	45	60	1	T	1100/900	1/10	2	2	22	10½x16¾x½	√	....	√	129
1-5811‡*	.....	.....	23 13/16	17 13/16	23 15/16	√	115	12.0	310	60	80	1	T	1100/900	1/10	3	3	22	10½x16¾x½	√	....	√	185
1-5851	.....	.....	23 13/16	17 13/16	23 15/16	√	115	12.0	310	60	80	1½	T	1100/900	1/10	3	3	22	10½x16¾x½	√	....	√	197
1-5852*	.....	.....	23 13/16	17 13/16	25 15/16	√	230	12.0	450	80	120	1½	T	1550/1375	¼	4	4	22	10½x16¾x½	√	....	√	197
1-5822*	.....	.....	23 13/16	17 13/16	23 15/16	√	230	12.0	450	90	120	2	T	1550/1375	¼	4	4	22	10½x16¾x½	√	....	√	200
1-6871	.....	.....	26½	20½	17 7/16	√	115	7.5	250	36	60	1	T	1050/900	1/12	4	2	22	12x15x½	√	√	√	160
1-6851	.....	.....	26½	20½	17 7/16	√	115	12.0	300	60	80	1½	T	1050/900	⅛	5	4	22	12x15x½	√	√	√	175
1-6852*	.....	.....	26½	20½	17 7/16	√	230	12.0	320	60	80	1½	T	1050/900	⅛	5	4	22	12x15x½	√	√	√	185

*Also available with reverse cycle heating. ‡Also available for 230 volts.

Philco Corp., Tioga & C Streets, Philadelphia, Pa. — "Philco"

A983-2	.....	.....	24¾	12⅞	12⅞	....	115	7.5	195	.....	.....	1	T	1600/1350	1/10	1 & 2	2	22	10⅞x15½	√	√	....	126
A984-2*	.....	.....	24¾	12⅞	12⅞	....	115	12	210	.....	.....	1	T	1600/1350	1/10	1 & 2	2	22	10⅞x15½	√	√	....	127
A1082-2*	.....	.....	27	16⅛	21¼	√	115	12	330	.....	.....	1	T	815/700	1/10	3	2	22	12x13	√	....	....	213
A1083-2	.....	.....	27	16⅛	21¼	√	115	7.5	230	.....	.....	1	T	1050/900	1/10	5	4	22	12x13	√	....	....	220
A1086-2*	.....	R	27	16⅛	21¼	√	115	12	330	.....	.....	1	T	815/700	1/10	3	2	22	12x13	√	....	....	216
A1282-2	.....	.....	27	16⅛	21¼	√	115	12	280	.....	.....	1	T	1050/900	1/10	5	4	22	12x13	√	....	....	220
A1282-11	.....	.....	27	16⅛	21¼	√	230	7.5	410	.....	.....	1	T	1130/975	¼	5	4	22	12x13	√	....	....	222
A1582-11	.....	.....	27	16⅛	21¼	√	230	10	410	.....	.....	1½	T	1130/975	¼	5	4	22	12x13	√	....	....	226
A2082-11	.....	.....	27	16⅛	21¼	√	230	12	460	.....	.....	2	T	1130/975	¼	5	4	22	12x13	√	....	....	233

*Also available for 230 volts.

Mitchell Mfg. Co., Div. of Cory Corp., 3200 W. Peterson Ave., Chicago, Ill. — "Mitchell"

PO5H-1	3000	.....	16 15/16	11 5/16	15	√	115	6.9	175	.....	.....	.....	T	1300	1/15	2	2	12	7½x15½	√	....	√	62
F17H-1	6500	.....	24 15/16	15	16¼	√	115	7.5	275	75	.....	1	T	1500/1350	⅛	2	2	22	8x23	√	....	√	125
B10H-2	11,500	.....	26 15/16	18	23	√	230	9	380	100	140	1	T	1050/950	⅛	2	2	22	10 13/32x25	√	....	√	185
BA20H-2	14,500	.....	26 15/16	18	23	√	230	12	400	100	140	2	T	1050/950	⅛	3	3	22	10 13/32x25	√	....	√	195
B20H-2	17,500	.....	26 15/16	18	23	√	230	12	450	125	160	2	T	1050/950	⅛	4	4	22	10 13/32x25	√	....	√	200
B10H-20	11,500	R	26 15/16	18	23	√	230	9	380	100	140	1	T	1050	⅛	2	2	22	10 13/32x25	√	....	√	185
B20H-20	17,500	R	26 15/16	18	23	√	230	12	450	125	160	2	T	1050	⅛	3	4	22	10 13/32x25	√	....	√	200
M3457	6000	.....	15½	25⅜	24¼	....	115	12	310	100	.....	¾	T	1500/1350	1/10	3	2	22	(2)7½x12	....	√	....	175
M30157	8100	.....	15½	25⅜	24¼	....	115	12	335	100	.....	1	T	1500/1350	1/10	3	2	22	(2)7½x12	....	√	....	180
M3057	8300	.....	15½	25⅜	24¼	....	230	7.5	335	100	.....	1	T	1500/1350	1/10	3	2	22	(2)7½x12	....	√	....	185

ROOM AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH	Heating Type	Cabinet Size (In.) W	H	D	Flush Mount	Electrical Characteristics Volts	Amps	Air Capacity CFM Circ.	Fresh	Exhaust	Compressor HP	Make	Fan Motor Evap. RPM	HP	Coil Cond. Rows	Evap. Rows	Refrig. No.	Air Filter Size (In.)	Application of Unit Window Convent.	Case.	In the wall	Net Wt. (lb.)
Lonergan Mfg. Div., McGraw-Edison Co., Albion, Mich. — "Coolerator"																							
S10A17	.....	.....	26⅜	15¾	17	√	115	7.5	350	50	35	1	T	1000	1/12	3	2	22	.....	√	....	....	165
S10A1	.....	.....	26⅜	15¾	17	√	115	12	350	50	35	1	T	1000	1/12	2	..	22	.....	√	....	....	165
S10A2*	.....	.....	26⅜	15¾	17	√	230	6	400	50	35	1	T	1000	1/12	2	2	22	.....	√	....	....	170
S15A2*	.....	.....	26⅜	15¾	17	√	230	10	425	55	35	1½	T	1000	1/12	3	3	22	.....	√	....	....	190
S20A2	.....	.....	26⅜	17¾	27⅜	√	230	11	500	60	40	2	T	1000	1/7	2	2	22	.....	√	....	....	225
C10A17	.....	.....	26⅜	15¾	17⅞	√	115	7.5	350	50	35	1	T	1050/900	1/10	3	3	22	.....	√	....	....	180
C10A2*	.....	.....	26⅜	15¾	17⅞	√	230	8	400	50	35	1	T	1050/900	1/10	2	2	22	.....	√	....	....	185
CR10A2	.....	R	26⅜	15¾	17⅞	√	230	8	400	50	35	1	T	650/900	1/10	2	2	22	.....	√	....	....	195
C15A1**	.....	.....	26⅜	15¾	17⅞	√	115	12	425	55	35	1½	T	1050/900	1/10	3	3	22	.....	√	....	....	195
C20A2*	.....	.....	26⅜	17¾	27⅜	√	230	11	500	60	40	2	T	1050/900	⅛	3	3	22	.....	√	....	....	230
C25A2*	.....	.....	26⅜	17¾	27⅜	√	230	12	550	60	40	2½	T	1050/900	⅛	4	4	22	.....	√	....	....	240
CP5A17	.....	.....	16	11⅞	16	√	115	7.5	125	.....	.....	½	T	1550	1/20	3	3	12	.....	√	√	....	65

*Also available for 208 volts. **Also available for 230 volts.

Perfection Industries, Div. of Hupp Corp., 1135 Ivanhoe Rd., Cleveland, Ohio — "Perfection"																							
810B	8000	.....	23¾	15⅜	18¼	....	230	12	275	.....	.....	1	T	1100	1/10	2	2	22	10½x16¾x½	√	....	....	129
811B	8000	.....	23¾	15⅜	18¼	....	230	12	275	45	60	1	T	1100/900	1/10	2	2	22	10½x16¾x½	√	....	....	129
817A	6700	.....	23¾	15⅜	18¼	....	115	7.5	275	35	60	1	T	1100/900	1/10	2	2	22	10½x16¾x½	√	....	....	129
850B	14,500	.....	23¾	17⅞	24	....	230	12	450	80	120	1	T	1550/1375	¼	4	4	22	10½x16¾x½	√	....	....	197
820B	16,000	.....	23¾	17⅞	24	....	230	12	450	90	120	1	T	1550/1375	¼	4	4	22	10½x16¾x½	√	....	....	200
R812A	10,000	R	23¾	17⅞	24	....	115	12	450	60	80	1	T	1100/900	1/10	3	3	22	10½x16¾x½	√	....	....	185
R850B	14,500	R	23¾	17⅞	24	....	230	12	450	80	120	1	T	1550/1375	¼	4	4	22	10½x16¾x½	√	....	....	197
R820B	16,000	R	23¾	17⅞	24	....	230	12	450	90	120	1	T	1550/1375	¼	4	4	22	10½x16¾x½	√	....	....	200
A341A	7000	.....	26½	20½	17½	√	115	7.5	275	15	65	1	T	1050/900	1/20	2	4	22	12x15	√	....	√	175
A100A	9000	.....	26½	20½	17½	√	115	12	315	25	80	1	T	1050/900	⅛	2	4	22	12x15	√	....	√	190
A340A	6700	.....	26½	20½	17½	√	115	12	275	15	.....	1	T	1050	1/10	2	3	22	12x15	√	....	√	175
A101B	8200	.....	26½	20½	17½	√	230	10	315	25	.....	1	T	1050	⅛	2	3½	22	12x15	√	....	√	190
A151B	12,000	.....	26½	16⅜	30¼	....	230	12	325	.....	55	1	T	1070/900	1/10	4	4	22	11x15	√	....	....	190
A200B	16,000	.....	26½	16⅜	30¼	....	230	12	500	.....	80	1	T	1550/1300	⅓	4	4	22	11x15	√	....	....	250

Westinghouse Electric Corp., 653 Page Blvd., Springfield, Mass. — "Westinghouse"																							
SW-75D7	420*	.....	27	19	16	√	115	7.5	240	.....	.....	¾	T-O	1000	1/15	3	2	22	18½x12⅝x½	√	....	√	137
SW-75C7	420*	.....	27	19	16	√	115	7.5	240	15	30	¾	T-O	1000/800	1/15	3	2	22	18½x12⅝x½	√	....	√	137
SW-100D	560*	.....	27	19	16	√	115	12.0	275	.....	.....	1	T	1000	1/10	3	2	22	18½x12⅝x½	√	....	√	149
SW-100C	590*	.....	27	19	16	√	115	12.0	275	20	40	1	T-O	1000/800	1/10	3	2	22	18½x12⅝x½	√	....	√	149
SW-100S2	630*	.....	27	19	16	√	230	7.5	275	.....	.....	1	T	1000	1/12	3	2	22	18½x12⅝x½	√	....	√	147
SW-100D2	630*	.....	27	19	16	√	230	7.5	275	.....	.....	1	O	1120	⅛	3	2	22	18½x12⅝x½	√	....	√	147
SWR-100D2	630*	R	27	19	16	√	230	7.5	275	.....	.....	1	O	1120	⅛	3	2	22	18½x12⅝x½	√	....	√	150
SW-100C2	650*	.....	27	19	16	√	230	7.5	275	20	40	1	O	1120/900	⅛	3	2	22	18½x12⅝x½	√	....	√	147
SW-100M7	420*	.....	24⅛	14⅜	15⅝	√	115	7.5	200	.....	.....	1	O	1100/900	.072	3	2	22	23⅜x7x⅜	√	....	....	99
SW-100CS7	460*	.....	27	19	17	√	115	7.5	235	70	106	1	O	1100/900	.072	3	2	22	15½x9½x½	√	....	√	175
SW-100CS	590*	.....	27	19	17	√	115	12.0	250	90	110	1	T	1100/900	.085	3	3	22	15½x9½x½	√	....	√	175
SW-100C52	690*	.....	27	19	17	√	230	9.1	250	90	110	1	O	1100/900	.085	3	3	22	15½x9½x½	√	....	√	175
SW-150CS2	900*	.....	27	19⅛	19⅜	√	230	11.7	320	110	125	1½	O	1480/1200	0.2	3	4	22	15½x9½x½	√	....	√	198
SW-200CS2	1230*	.....	27	19⅛	19⅜	√	230	11.5	350	120	135	2	T	1570/1250	0.25	3	4	22	15½x9½x½	√	....	√	219
RW100S7	480*	.....	25½	15	30⅛	√	115	7.5	240	.....	.....	1	T	1120	1/15	3	3	22	7⅜x23½x½	√	....	....	185
RW100S	590*	.....	25½	15	30⅛	√	115	12.0	275	.....	.....	1	T	1120	1/11	3	3	22	7⅜x23½x½	√	....	....	191
RWR100S	650*	R	25½	15	30⅛	√	115	12.0	275	.....	.....	1	T	1120	1/11	3	3	22	7⅜x23½x½	√	....	....	194
RW100S2	650*	.....	25½	15	30⅛	√	230	7.5	310	.....	.....	1	O	1120	1/9	3	3	22	7⅜x23½x½	√	....	....	185
RWR100S2	650*	R	25½	15	30⅛	√	115	7.5	310	.....	.....	1	O	1120	1/9	3	3	22	7⅜x23½x½	√	....	....	188
RW150S2	870*	.....	25½	15	30⅛	√	230	11.0	400	.....	.....	1½	O	1500/1300	.22	3	3	22	7⅜x23½x½	√	....	....	199
RW200S2	1240*	.....	25½	19	30⅛	√	230	11.0	475	.....	.....	1¾	T	1500/1300	.22	3	3	22	8x23 7/16x½	√	....	....	223
RW200DA2	1400*	.....	25½	19	31	√	230	16.5	590	.....	105	2	T	1680	.42	3	3	22	8x23 7/16x½	....	....	√	226
5AWC75	450*	.....	15½	22	20 13/16	....	115	7.9	350	150	.....	¾	T	1550	1/16	3	3	22	7 13/16x9 11/16x½	....	√	....	137

*Square feet. ‡Also available in 230 volts.

Northern-Aire Div. of Great Northern Mfg. Corp., 1056 N. Wood St., Chicago, Ill.																							
RA-75-1	7000	.....	22½	16⅞	31 9/16	√	115	10.0	250	55	115	¾	..	1050	1/10	..	..	22	17½x9¾x½	√	√	√	155
RA-75-2	8000	.....	22½	16⅞	31 9/16	√	115	7.4	250	55	115	¾	..	1050	1/15	..	..	22	17½x9¾x½	√	√	√	155
RA-75-3	8500	.....	22½	16⅞	31 9/16	√	115	11.9	275	60	125	¾	..	1050	1/10	..	..	22	17½x9¾x½	√	√	√	155
RA-100-1*	10,800	.....	22½	16⅞	31 9/16	√	230	7.9	310	75	150	1	..	1050	⅛	..	..	22	17½x9¾x½	√	√	√	180
RA-150-1*	16,000	.....	26 9/16	19	32	√	230	11.0	450	100	200	1½	..	.....	....	..	..	22	.....	√	√	√	200
RA-200-1*	20,000	.....	26 9/16	19	32	√	230	11.0	550	120	225	2	..	.....	....	..	..	22	.....	√	√	√	230

*Also available in 208 volts.

ROOM AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH	Heating Type	Cabinet Size (In.) W	H	D	Flush Mount	Electrical Characteristics Volts	Amps	Air Capacity CFM Circ.	Fresh	Exhaust	Compressor HP	Make	Fan Motor Evap. RPM	HP	Coil Cond. Rows	Evap. Rows	Refrig. No.	Air Filter Size (In.)	Application of Unit Window Convent.	Case.	In the wall	Net Wt. (lb.)
Whirlpool Corp., St. Joseph, Mich. — "RCA Whirlpool"																							
I8100-2	10,000	.....	25⅞	17⅝	19⅞	√	115	12.0	315	100	150	1	T	1100	1/10	3	3	22	20¼x6¾x⅜	√	....	....	175
I8100-3*	11,000	.....	25⅞	17⅝	19⅞	√	230	8.0	315	100	150	1	T	1100	1/10	3	3	22	20¼x6¾x⅜	√	....	....	175
IH8100-3	11,000	R	25⅞	17⅝	19⅞	√	230	8.0	315	100	150	1	T	1100	1/10	3	3	22	20¼x6¾x⅜	√	....	....	180
I8150-3	14,500	.....	25⅞	17⅝	22⅛	√	230	9.8	350	120	175	1½	T	1100	⅛	4	4	22	20¼x6¾x⅜	√	....	....	200
I8200-3	17,500	.....	25⅞	17⅝	22⅛	√	230	12.0	420	150	200	2	T	1450	¼	4	4	22	20¼x6¾x⅜	√	....	....	210
CP8100-2	8500	.....	27	16¼	18⅜	√	115	7.5	320	100	140	1	T	1100	1/12	3	2	22	10½x14x½	√	....	....	170
C8100-3	10,000	.....	27	16¼	18⅜	√	230	8.0	320	100	140	1	T	1100	⅛	2	2	22	10½x14x½	√	....	....	165
C8150-2	.....	.....	27	16¼	21⅜	√	115	12.0	350	120	160	1½	T	1100	1/12	4	3	22	10½x14x½	√	....	....	180
C8200-3	15,000	.....	27	16¼	21⅜	√	230	12.0	420	140	180	2	T	1400	¼	4	3	22	10½x14x½	√	....	....	190
D8100-2	8800	.....	25⅞	17⅝	17⅜	√	115	12.0	310	80	120	1	T	1100	⅛	2	2	22	14¾x8x½	√	....	....	170
D8100-3	9800	.....	25⅞	17⅝	17⅜	√	230	8.0	310	80	120	1	T	1100	⅛	2	2	22	14¾x8x½	√	....	....	170
D8150-3	13,000	.....	25⅞	17⅝	20¾	√	230	9.8	340	100	150	1½	T	1100	⅙	3	3	22	14¾x8x½	√	....	....	195
*Also available for 208 volts.																							
Kauffman Air Conditioning Co., 4505 Olive St., St. Louis, Mo. — "Kauffman"																							
Y-H	4720	R	26	14	27	√	115	.....	220	25	20	½	T	1050	1/20	2	2	22	.....	√	....	....	145
X-H	7200	R	26	14	27	√	115	.....	320	50	30	¾	T	1050	1/15	3	2	22	.....	√	....	....	180
J-H	9600	R	26	14	27	√	220	.....	370	70	40	1	T	1050	1/12	3	2	22	.....	√	....	....	195
J-O	9600	R	26	14	27	√	220	.....	370	70	40	1	T	1200	1/12	3	2	22	.....	√	....	....	275
K-H	14,400	R	26	14	27	√	220	.....	425	80	50	1½	T	1200	⅛	4	3	22	.....	√	....	....	220
L-H	19,300	R	26	14	27	√	220	.....	450	80	50	2	T	1200	¼	4	3	22	.....	√	....	....	240
W-H	7400	R	40	31	20	....	115	.....	325	50	30	¾	T	700	1/10	4	2	22	.....	√	....	....	280
A-H	10,000	R	40	31	20	....	220	.....	375	60	35	1	T	1000	⅛	4	3	22	.....	√	....	....	340
B-H	15,000	R	39	52	25	....	220	.....	500	70	40	1½	T	1150	⅙	6	4	22	.....	√	....	....	400
C-H	19,500	R	39	52	25	....	220	.....	700	85	55	2	T	1150	¼	6	4	22	.....	√	....	....	440
I-W50	4700	R	26	14	18	....	115	.....	220	25	20	½	T	1050	1/20	2	2	22	.....	....	....	√	127
I-W75	7200	R	26	14	18	....	115	.....	320	50	30	¾	T	1050	1/15	3	2	22	.....	....	....	√	175
I-W100	9500	R	26	14	18	....	220	.....	370	70	40	1	T	1050	1/12	3	2	22	.....	....	....	√	200
York Corp., Subsidiary of Borg-Warner Corp., Grantley Rd., York, Pa. — "Yorkaire"																							
E75-11*	7500	.....	26¼	15¾	30¼	√	230	6.5	300	100	75	¾	O	1090	1/12	2	2	22	9⅞x16½x½	√	....	....	165
E75L-2	6250	.....	26¼	15¾	30¼	√	115	7.5	270	100	75	¾	O	1100	1/10	3	2	22	9⅞x16½x½	√	....	....	165
E75R-11	7400	R	26¼	15¾	30¼	√	230	6.5	300	100	75	¾	O	1090	1/12	2	2	22	9⅞x16½x½	√	....	....	165
E100Q-11*	9500	.....	26¼	15¾	30¼	√	230	8.5	310	120	85	1	O	1090	1/12	3	3	22	9⅞x16½x½	√	....	....	172
E100LQ-2	9000	.....	26¼	15¾	30¼	√	115	12	295	120	85	1	O	1100	1/10	3	3	22	9⅞x16½x½	√	....	....	172
E100R-11	9300	R	26¼	15¾	30¼	√	230	8.5	310	120	85	1	O	1090	⅛	3	3	22	9⅞x16½x½	√	....	....	172
F112-11	8000	.....	22	13⅞	14⅞	√	230**	.....	225	.....	85	1	O	1550/1300	1/10	3	3	22	10x21x½	√	....	√	89
F112-2	8000	.....	22	13⅞	14⅞	√	115	12	225	.....	25	1	O	1550/1300	1/10	3	3	22	10x21x½	√	....	√	89
F107-2	7000	.....	22	13⅞	14⅞	√	115	7.5	225	.....	25	1	O	1550/1300	1/10	3	3	22	10x21x½	√	....	√	89
FS100-11	9500	.....	24½	14⅞	17⅜	√	230**	.....	290	25	25	1	O	1050/950	⅛	4	2	22	10x21x½	√	....	√	125
FS150L-2	11,000	.....	24⅝	17⅛	25⅜	√	115	12	310	75	35	1½	O	1090/960	⅛	6	3	22	11½x19¾x½	√	....	√	150
FC200-11	14,500	.....	24⅝	17⅛	25⅜	√	230**	.....	420	100	50	2	O	1500/1350	½	5	4	22	11½x19¾x½	√	....	√	173
FS200-11	16,000	.....	24⅝	17⅛	25⅜	√	230**	.....	420	100	50	2	O	1500/1350	½	6	4	22	11½x19¾x½	√	....	√	175
EG75AP-2	7500	.....	31	24½	12¾	....	115	.....	280/230	75	75	¾	O	1025/950	⅛	3	5	22	6¾x21¾x½	√	√	‡	200
EG75APH-2*	7500	***	31	24½	12¾	....	115	.....	280/230	75	75	¾	O	1025/950	⅛	3	5	22	6¾x21¾x½	√	√	‡	200
EG100AP-11*	9000	.....	31	24½	12¾	....	230	.....	290/240	75	75	1	O	1025/950	⅛	3	5	22	6¾x21¾x½	√	√	‡	200
EM10AP-11*	9000	.....	31	24½	12¾	....	230	.....	290/240	75	75	1	O	1025/950	⅛	3	5	22	6¾x21¾x½	√	√	‡	200
EG100APH-11*	9000	***	31	24½	12¾	....	230	.....	290/240	75	75	1	O	1025/950	⅛	3	5	22	6¾x21¾x½	√	√	‡	200
EM100APH-11*	9000	***	31	24½	12¾	....	230	.....	290/240	75	75	1	O	1025/950	⅛	3	5	22	6¾x21¾x½	√	√	‡	200
*Also available for 208 volts. **Transformer kit available for 208 volts. ***Heating package available for use with wet heat system. ‡Kit available for through-the-wall installation.																							
O. A. Sutton Corp., Inc., 1812 W. Second St., Wichita, Kan. — "Vornado"																							
L100D-1	.....	.....	26⅜	16⅝	16⅞	√	115	7.5	210	.....	45	1	T	1525	⅛	3	2	22	15¼x15¼	√	....	√	168
D100D-1	.....	R	26⅜	16⅝	16⅞	√	115	12.0	275	.....	50	1	T	1525	⅛	3	2	22	15¼x15¼	√	....	√	172
R100D-1	.....	R	26⅜	16⅝	16⅞	√	115	12.0	275	.....	.....	1	T	1410	⅛	3	2	22	15¼x15¼	√	....	√	172
D100D-2	.....	R	26⅜	16⅝	16⅞	√	230	7.2	275	.....	50	1	T	1525	⅓	3	2	22	15¼x15¼	√	....	√	168
R100D-2*	.....	R	26⅜	16⅝	16⅞	√	230	6.2	275	.....	.....	1	T	1410	⅛	3	2	22	15¼x15¼	√	....	√	168
D150D-1	.....	.....	26⅜	16⅝	23⅞	√	115	12.0	275	.....	90	1½	T	1550	⅛	3	3	22	15¼x15¼	√	....	√	196
D150D-2*	.....	R	26⅜	16⅝	23⅞	√	230	8.6	325	.....	90	1½	T	1550	⅓	3	3	22	15¼x15¼	√	....	√	196
D200D-2	.....	R	26⅜	16⅝	23⅞	√	230	11.3	325	.....	90	2	T	1550	⅓	3	3	22	15¼x15¼	√	....	√	200
M200D-2	.....	R	27⅜	17¼	29⅝	√	230	12.2	550	100	150	2	T	1435	¼	3	3	22	7½x19⅜	√	....	....	221
C100D-1	.....	.....	15½	22	21⅜	√	115	7.5	300	150	.....	1	T	1450	1/20	3	2	22	9½x7½	....	√	....	140
T100D-2	.....	.....	26⅜	16⅞	23⅞	√	230	7.5	325	.....	80	1	T	1550	⅓	3	3	22	15¼x15¼	√	....	√	196
*Also available for 208 volts.																							

ROOM AIR CONDITIONERS (Continued)

Model No.	Cooling Capacity BTUH	Heating Type	Cabinet Size (In.) W	H	D	Flush Mount	Electrical Characteristics Volts	Amps	Air Capacity CFM Circ.	Fresh	Exhaust	Compresser HP	Make	Fan Motor Evap. RPM	HP	Coil Cond. Rows	Evap. Rows	Refrig. No.	Air Filter Size (In.)	Application of Unit Window Convent.	Case.	In the wall	Net Wt. (lb.)
Remington Corp., Willey St., Auburn, N. Y.																							
WS7F-2*	.....	.....	23	13½	26¾	√	115	12	220	.....	.....	¾	T	.....	1/12	..	..	22	12¼x12½x½	√	....	....	165
WS9F-2*	.....	.....	23	13½	26¾	√	115	12	275	.....	.....	1	T	.....	1/10	..	..	22	12¼x12½x½	√	....	....	180
SD7A-2	.....	.....	26½	20½	17½	√	115	7.5	225	.....	35	¾	T	.....	1/10	..	..	22	12x15x½	√	....	√	160
SD9A-2	.....	.....	26½	20½	17½	√	115	12	310	.....	50	1	T	.....	⅛	..	..	22	12x15x½	√	....	√	175
WM9A-2*	.....	.....	23⅞	15⅛	18¾	√	115	12	.....	.....	.....	1	T	.....	.....	..	..	22	.....	√	....	....	140
WD15G-3	.....	.....	29¾	16	19⅞	√	230	.....	.....	.....	.....	1½	T	.....	.....	..	..	22	11½x13¾x½	√	....	....	220
WD20G-3	.....	.....	29¾	16	19⅞	√	230	.....	.....	.....	.....	2	T	.....	.....	..	..	22	11½x13¾x½	√	....	....	220
WA9G-2*	.....	.....	29¾	14	15⅞	√	115	12	.....	.....	.....	1	T	.....	.....	..	..	22	.....	....	....	√	165
WA15G-3	.....	.....	29¾	16	19⅞	√	230	.....	.....	.....	.....	1½	T	.....	.....	..	..	22	11½x13¾x½	√	....	√	180
CD8G-2*	.....	E	29¾	34	12½	√	115	.....	285	70	.....	¾	T	1050	½5	..	..	22	28½x7⅝x½	√	√	√	215
CD10G-3	.....	E	29¾	34	12½	√	230	.....	360	85	.....	1	T	1050	½5	..	..	22	28½x7⅝x½	√	√	√	230
12D129	.....	E	37	38	21	....	230	.....	400/440	75	.....	1½	T	1050	½0	..	..	12	30x8x1	√	√	√	380
15E129	.....	E	37	28	21	....	230	.....	530	85	.....	2	T	1050	1/15	..	..	22	30x8x1	√	√	√	400
CW10A-62*	.....	E	30	36½	13	....	115	12	310	.....	.....	1	T	.....	½5	..	..	22	28½x7⅝x½	....	....	√	220
CW15A-43	.....	E	30	36½	13	....	230	.....	450	.....	.....	1½	T	.....	½0	..	..	22	28½x7⅝x½	....	....	√	240

*Also available for 230 volts.

Fedders-Quigan Corp., 5201 Flushing Ave., Maspeth, L. I., N. Y. — "Fedders"																							
812FS	.....	RE	27	16¼	17¾	√	208/230	8.7/8.4	350	145	170	1	T	1100	⅛	4	4	22	10½x14	√	•	....	184
817FS	.....	RE	27	16¼	17¾	√	208/230	10.4/10.5	375	155	185	1½	T	1100	⅛	4	4	22	10½x14	√	•	....	187
811SH	.....	R	27	16¼	14¾	√	115	7.5	300	130	150	1	T	1100	1/15	3	2	22	10½x14	√	•	....	165
811DH	.....	R	27	16¼	14¾	√	208/230	8.9/8.5	340	140	165	1	T	1100	⅛	2	2	22	10½x14	√	•	....	165
816SH	.....	R	27	16¼	17¾	√	115	12	350	145	170	1½	T	1100	⅛	4	4	22	10½x14	√	•	....	180
816DH	.....	R	27	16¼	17¾	√	208/230	10.6/10.5	365	150	180	1½	T	1100	1/12	3	3	22	10½x14	√	•	....	180
820DH	.....	R	27	16¼	17¾	√	208/230	10.7/10.5	440	160	190	2	T	1100	⅛	3	3	22	10½x14	√	•	....	187
890DS	.....	.....	27	16¼	14¾	√	115	7.5	275	80	80	¾	T	1100	½0	2	2	22	10½x14	√	•	....	150
811DS	.....	.....	27	16¼	14¾	√	115	12	340	140	165	1	T	1100	1/10	2	2	22	10½x14	√	•	....	160
812SS	.....	.....	27	16¼	17¾	√	115	7.5	340	140	165	1	T	1100	1/12	4	3	22	10½x14	√	•	....	168
816CS	.....	.....	27	16¼	17¾	√	115	12	350	150	175	1½	T	1100	1/12	4	4	22	10½x14	√	•	....	180
811D	.....	.....	27	16¼	14¾	√	208/230	8.5/8.6	340	140	165	1	T	1100	⅛	2	2	22	10½x14	√	•	....	165
816D	.....	.....	27	16¼	17¾	√	208/230	11.1/10.3	365	150	180	1½	T	1100	⅛	3	3	22	10½x14	√	•	....	180
821C	.....	.....	27	16¼	17¾	√	208/230	.....	450	165	195	2	T	1100	⅛	4	4	22	10½x14	√	•	....	190
9AW-2A	.....	.....	27	16¼	16¼	√	115	7.5	275	80	80	¾	T	1100	½0	2	2	22	10½x14	....	....	√	180
11AWH-3/5A	.....	RE	27	16¼	16¼	√	208/230	.....	340	140	165	1	T	1100	¼	2	2	22	10½x14	....	....	√	195
16BW-2A	.....	.....	27	16¼	19¼	√	115	12	350	145	170	1½	T	1100	1/12	4	3	22	10½x14	....	....	√	210
16BWH-3/5A	.....	RE	27	16¼	19¼	√	208/230	.....	365	150	180	1½	T	1100	⅛	3	3	22	10½x14	....	....	√	220

*Casement kit available.

Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton, Ohio — "Frigidaire"																							
AS-100-82*	8600	.....	25	20⅛	15¾	√	230	5.6	260	.....	.....	.....	O	1500/1200	⅛	3	3	22	10x15x½	√	√	√	153
AI-100-82*	10,000	.....	25	20⅛	15¾	√	230	5.8	260	150	100	.....	O	1500/1200	⅛	4	3	12	10x15x½	√	√	√	157
AI-150-82*	13,600	.....	26	16⅞	37 9/32	√	230	10.0	400	200	150	.....	O	1140	⅛	3	3	22	10⅞x22x½	√	....	....	225
AI-200-82*	16,500	.....	26	16⅞	37 9/32	√	230	12.0	430	225	175	.....	O	1140	⅛	4	4	22	10⅞x22x½	√	....	....	249

*Also available in 208 volts.

I. W. Air Conditioning Corp., Div. of I. Wenig & Sons, 230 Manida St., Bronx, N. Y. — "In-Wall"																							
75-115-127	7300	.....	33	20	16½	√	115	7.5	280	70	120	¾	T	1050/960	½0	3	2	22	½x29x7	....	....	√	190
75-115*	8300	.....	33	20	16½	√	115	11.5	280	70	120	¾	T	1050/960	½0	3	2	22	½x29x7	....	....	√	190
100-115-12*	10,000	.....	33	20	16½	√	115	12.0	300	80	135	1	T	1050/960	½0	4	3	22	½x29x7	....	....	√	210
100-208**	11,000	.....	33	20	16½	√	208	9.2	350	80	135	1	T	1050/960	½0	4	3	22	½x29x7	....	....	√	210
150-208**	14,800	.....	33	20	16½	√	208	11.9	360	90	140	1½	T	1050/960	½0	4	3	22	½x29x7	....	....	√	225

*Also available for 208 or 230 volts. **Also available for 230 volts.

King Refrigerator Corp., 76-02 Woodhaven Blvd., Glendale, N. Y. — "King"																							
SLA57	6500	.....	25	20½	16½	√	115	7.5	275	80	.....	¾	T	1050	½0	2	2	22	14x10½	√	√	√	.....
SL1115	9200	.....	25	20½	16½	√	115	12.0	300	90	.....	1	T	1550	½0	3	2	22	14x10½	√	√	√	.....
SL1000	11,000	.....	25	20½	16½	√	230	6.8	350	120	.....	1	T	1550	½0	3	3	22	14x10½	√	√	√	.....

A. Brown Products Corp., 97-12 Metropolitan Ave., Forest Hills, N. Y. — "Brown Air Conditioner"																							
BAC-11	3800	*	15½	19½	6	√	115	.85	.....	.....	.....	.....	..	.....	.....	..	3	**	.....	....	....	√	35
BAC-22	7800	*	31½	19½	6	√	115	1.7	.....	.....	.....	.....	..	.....	.....	..	3	**	.....	....	....	√	66

*Hot water. **Water.

Appliance Div., Motor Wheel Corp., 111 W. Mount Hope, Lansing, Mich. — "Duo-Therm"																							
100A-8	8750	.....	25	14½	31	....	115	13.1	250	.....	0-250	1	T	1550	⅛	2	2	22	7½x17⅝	•	•	•	185
100-8	10,550	.....	25	14½	31	....	230	8.6	300	.....	0-300	1	T	1550	⅛	3	3	22	7½x17⅝	•	•	•	190
150-8	13,100	.....	25	14½	31	....	230	9.7	350	.....	0-350	1½	T	1550	⅛	3	3	22	7½x17⅝	•	•	•	195

*Specially designed for roof mounting — ceiling distributions. Primarily for mobile homes.

INDEX OF MANUFACTURERS

Continued from page 75

HEAT PUMPS

PACKAGED WATER CHILLERS

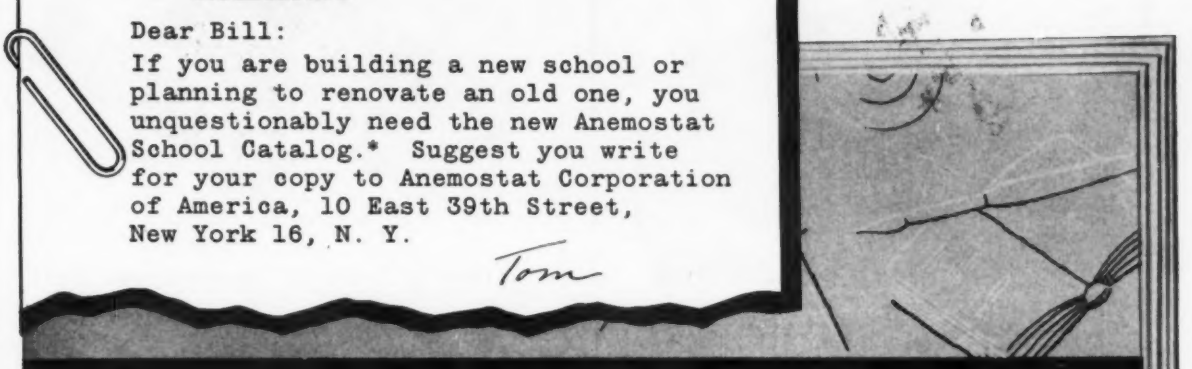
ROOM AIR CONDITIONERS

MEMO:

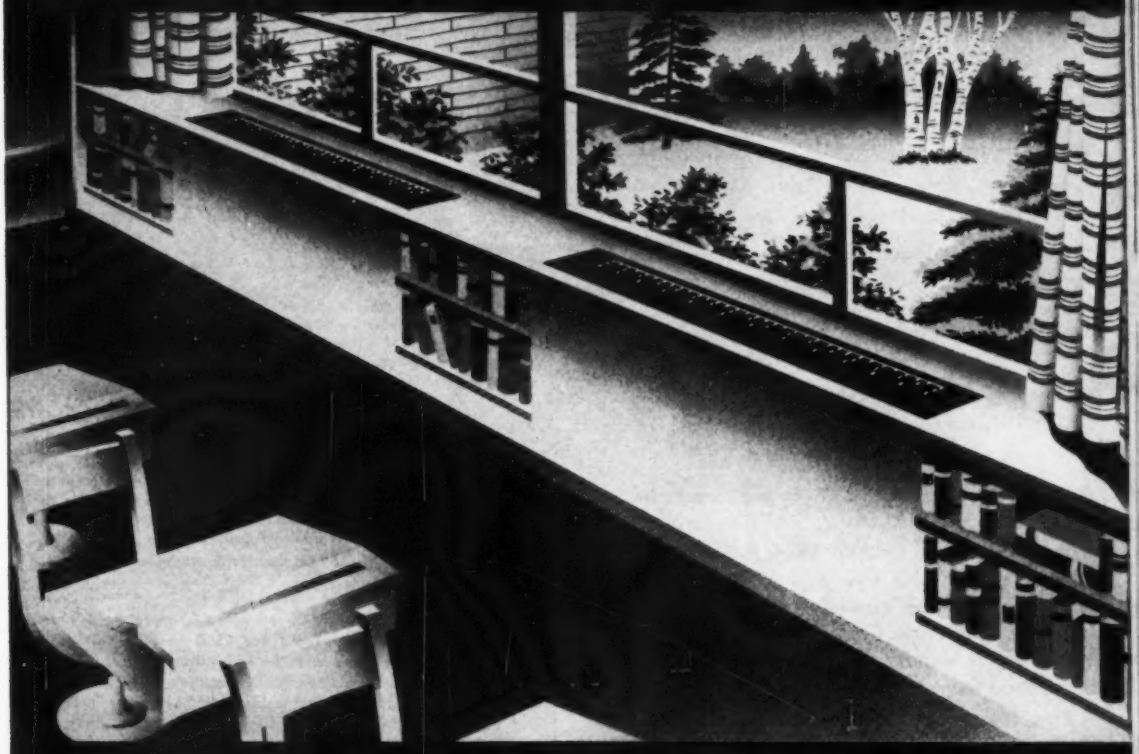
Dear Bill:

If you are building a new school or planning to renovate an old one, you unquestionably need the new Anemostat School Catalog.* Suggest you write for your copy to Anemostat Corporation of America, 10 East 39th Street, New York 16, N. Y.

Tom



ANEMOSTAT ALL-AIR HIGH VELOCITY SYSTEMS FOR SCHOOLS



A NEW DEVELOPMENT FOR HEATING AND VENTILATING

*Contains performance and dimension data, control diagrams, everything you need to specify.

AC1360

Circle No. 61 on Reader Service Card

(For News of New Products turn to page 134)

MOTOR CONTROLS can be selected easily, quickly with the aid of "quick selector" tables included in Catalog 5800 by Furnas Electric Co. Tables give horsepower, motor speed, heater size and heater ampere ratings, enclosure choices and prices. Also included is design data and prices for entire line of controls.

Circle No. 188 on Reader Service Card

HEAT REMOVAL by the air method, and heat and moisture control are the main subjects in bulletin 135 published by Niagara Blower Co. Gives practical applications in the process and chemical industries for equipment such as after-coolers, air conditioners, liquid coolers, heat exchangers, condensers, and refrigeration equipment.

Circle No. 189 on Reader Service Card

NEW ALL-MINERAL protective coating for low-temperature insulating materials used in refrigerated and cold storage rooms is analyzed in "Koldrok" bulletin produced by Selby, Battersby & Co., Philadelphia, Pa. Two-color publication covers the advantages of using the coating in meat packing plants, dairies, breweries, cold storage plants, restaurants, food processing plants, and refrigerated rooms and warehouses.

Circle No. 190 on Reader Service Card

INSTALLATION, MAINTENANCE and service of self-power gas system, thermostates, pilot generators, fan and limit controls, transformer relays and thermopilot valves are described in service manual B-60, available from General Controls Co. Also includes a guide for use of millivolt meters.

Circle No. 191 on Reader Service Card

LATEST DESIGN FEATURES of Allis-Chalmers front access, high-voltage starters (Type H) for 2300 to 5000-volt motors are shown in new bulletin from the Milwaukee firm. The bulletin, "Type H Motor Control," 1488507, explains how the starter's roll-out-type, air-break contactor (Type 256A) makes inspection and routine maintenance easy. Diagram illustrates eight ways in which the starter provides complete protection for men, motors, and machines.

Circle No. 192 on Reader Service Card

SALES AND ENGINEERING DATA on remote type air conditioning units is included in Catalog HC-C5 by Fedders-Quigan Corp. Describes operation and design features of "Fedair" line. Cooling and heating capacity ratings and performance graphs are included to aid in proper selection. Illustrations include exploded views and individual parts.

Circle No. 193 on Reader Service Card

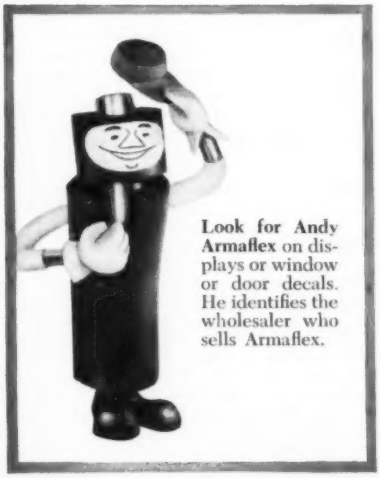
DEFROSTING LOW TEMPERATURE SYSTEMS is the subject of two bulletins (TV380 and TV320) published by Kramer Trenton Co. Discusses operation of company defrosting equipment, including engineering specifications and dimensions. Also lists sales advantages.

Circle No. 194 on Reader Service Card

(More Useful Literature on page 128)

Complete new Armaflex line includes ⅜", ½", and ¾" nominal wall thicknesses. Sizes range up to 3" IPS. For larger piping, Armaflex sheets are used.

Now—3 thicknesses of Armaflex pipe covering to stop condensation down to zero



Look for Andy Armaflex on displays or window or door decals. He identifies the wholesaler who sells Armaflex.

Now Armstrong Armaflex® comes in three wall thicknesses – ⅜", ½", and the new ¾". With this greater thickness, you can apply the economical amount* of insulation to stop condensation on lines operating all the way down to zero. Armaflex is a highly efficient, flexible, foamed plastic material with a k factor of .28 at 75° F. mean temperature. Its closed cell structure is impervious to air or vapor penetration.

A big advantage of this flexible insulation is the speed with which it can be applied. Labor costs drop as much as 50%, compared to costs of applying more conventional insulations to pipes and fittings. Armaflex can be slipped over piping before connections are made, or slit and snapped on. Joints are sealed with 520 Adhesive. Fittings are easily and quickly insulated.

* Recommended Armaflex thicknesses for various service conditions are contained in free descriptive booklet. For your copy, write today to Armstrong Cork Company, 2203 Rumford Avenue, Lancaster, Pennsylvania.

Armstrong INSULATIONS

Circle No. 63 on Reader Service Card

USEFUL LITERATURE . . .

Continued from page 126

WATER TREATMENT in low-pressure heating boilers is the subject of a bulletin by Water Service Laboratories, Inc., New York. Two-color publication covers the operating troubles of boilers caused by impurities in feed water. It outlines the procedure for minimzing damage to boilers. Hints are given on corrosion and scale prevention, tube failures, cast iron boilers, and treatment of boiler water.

Circle No. 195 on Reader Service Card

BENDING AND FLARING TOOLS, tube cutters, tube bending springs, and swedging tools are listed in new bulletin (202) published by Wilson Mfg. Co. Description includes features, applications, specifications and prices.

Circle No. 196 on Reader Service Card

SALES FEATURES of new soft drink dispenser are described in brochure released by Polar Chips Mfg. Co. All details of construction and capacity are included, plus dimensions and other specifications.

Circle No. 197 on Reader Service Card

SILENCERS, which prevent transmission of noise without impeding air passages, are described in a bulletin (QV-91-R1) from Industrial Acoustics Co., Inc. Lists principles of operation, applications and specifications. Also included is acoustic comparison between doors, windows, walls and new "Quiet-Vent".

Circle No. 198 on Reader Service Card

AUTOMATIC CONTROLS are illustrated fully in Catalog R-1500 by White-Rodgers Co. Complete line of products is shown with features, specifications and dimensions, and application.

Circle No. 199 on Reader Service Card

CONSTRUCTION, SPECIFICATIONS and operations of a new line of centrifugal fans are described in bulletin by Chicago Blower Corp. Lists data for nine fans designed for bakeries, garages, laundries, stores, schools, churches and hospitals.

Circle No. 200 on Reader Service Card

DESIGN OF DUCTS for high velocity heating and air conditioning systems is detailed in manual published by Anemostat Corp. Includes new performance tables, correct design procedure based on computations for office building. Schematic layouts are shown. Also information on duct construction and insulation.

Circle No. 201 on Reader Service Card

FORCED AIR FURNACES and all season air conditioners of new design are described in new booklet (LM-571-M11) published by Lennox Industries, Inc. Included are detailed construction features of major components, and description of assembling components into many combinations.

Circle No. 202 on Reader Service Card

INCREASED EFFICIENCY is shown by case histories of how mobile radio systems operate in industrial, business, and service organizations in brochure by Radio Corp. of America. Also documented is the speed and economy of these radios. Illustrated and described are the various types of mobile radio and base-stations systems and equipment for service groups. The brochure, entitled "How Service Organizations Increase Efficiency with RCA Two-Way Radio," is available on letterhead request to Advertising Manager, Communications Products Dept., Bldg. 15-1, Radio Corp. of America, Camden, N. J.

INFORMATION ABOUT SELECTING and ordering temperature control valves is provided in Bulletin 655 released by Jordan Industrial Sales Div., OPW Corp. Includes selection of proper material. Formulae and examples show how to assure proper valve sizing. Lists information needed by manufacturers to furnish proper valves.

Circle No. 203 on Reader Service Card

LIGHTING AND AIR CONDITIONING in the same ceiling fixture is described in new bulletin (AD6765) issued by Benjamin Electric Mfg. Co., and Pyle National Co. Provides installation procedure, suggested applications and sales features.

Circle No. 204 on Reader Service Card

BRASS VALVES, accessories and fittings for refrigeration and air conditioning are listed giving size and application data in catalog R-6 by Superior Valve & Fittings Co. Also includes recent technical data on ASME approved relief valves, hermetically fused sight glasses and high capacity heat exchangers.

Circle No. 205 on Reader Service Card

PRINCIPLES OF REFRIGERATION are used as an introduction to bulletin 80-E published by Frick Co. Includes description and features of this company's products, and shows actual installations. Also lists useful refrigeration tables.

Circle No. 206 on Reader Service Card

VALVES, liquid indicators, driers, unions, strainers, and filters of all types are illustrated in Catalog 103. Recently issued by Henry Valve Co. Listings include specifications, dimensions and characteristics.

Circle No. 207 on Reader Service Card

(For News of New Products turn to page 134)

Circle No. 114 on Reader Service Card

Circle No. 72 on Reader Service Card

CARRIER NAMES OUTLET FOR UNIT HEATERS

Further expansion of its unit heater sales organization is announced by Carrier Corp. with the appointment of a new manufacturer's sales representative in the Louisville, Ky. area. The announcement follows recent enlargement of production facilities for heating equipment at the company's Syracuse plant.

The new sales territory will be handled by Arco Engineering Co., Louisville. Three partners head up the firm: William Riester, Lee Hammond, and George Andriot.

The company will handle Carrier's complete line of unit heaters, plus heating and ventilating equipment.

REPORT ON SMALL-PIPE PERIMETER HEATING

A full report on the results of research investigation of "small-pipe" warm air perimeter heating systems has been published in Bulletin No. 445 — "Performance of Small-Pipe Warm-Air Perimeter Heating System" by the University of Illinois.

The report covers the small-pipe perimeter heating investigations for 1951 through 1954, which was done in the Warm Air Research Residence No. 2 of the National Warm Air Heating and Air Conditioning Association at the university. The Warm Air group has sponsored a continuous research program at the university for the past 38 years.

In addition to discussing the performance of warm air perimeter heating systems with and without the addition of heat to the basement, this report also contains a comparison of perimeter and high side wall convection systems.

The bulletin may be obtained by writing to the University Engineering Experiment Station, University of Illinois, Urbana, Ill. Price is $1.00 per copy.

KEEPS COOL ON HOT ROADS

COMFORT IN THE CAB of this tractor-trailer rig operated by a Michigan moving firm is provided by the Kysor air conditioning unit mounted atop the cab. This unit delivers fresh, cooled air to the cab interior and sleeping quarters at 340 cfm, maintaining a constant 70 F temperature even in the hottest weather. The air conditioner is powered by a Kohler gasoline engine. Starter button is conveniently located in the cab roof.

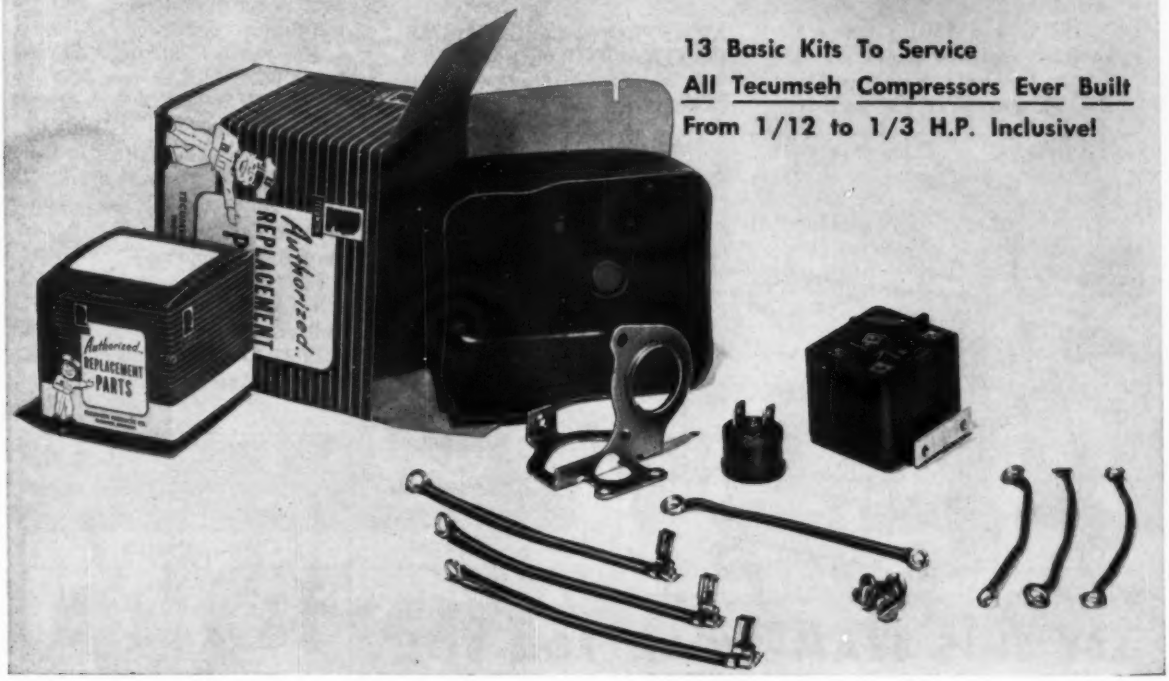
NAMED McQUAY OUTLET

McQuay, Inc., announces the appointment of the newly formed firm of Case-Orians Co., Detroit, Mich., as its representatives for heating and air conditioning products in the eastern Michigan territory.

Tecumseh

engineering VISION

Takes the risk out of electrical replacement



That's right, only 13 basic electrical kits are necessary to stock factory approved electrical components; 5 kits for pancake compressors and 8 kits for single cylinder internal spring mount compressors. These 13 kits will allow replacement on 70% of the approximately 30,000,000 Tecumseh compressors now in the field.

All of these kits are neatly packaged in a distinctive yellow and blue carton and contain all the pieces necessary to replace the overload and relay on these models. In addition to the correct overload and relay, where necessary, terminal screws and two sets of 3 wires are included. One set has eyelets for screw-type terminals and the other has quick-disconnect clips for glass terminal compressors. You use the ones required and throw away the other set.

In some cases the replacement relay will not fit under an older cover and a jumper wire is needed. In the sizes where this problem may occur (high torque ¼ and ⅓ H.P.) a new cover, mounting bracket, and an extra wire are included in the box. In this way, one kit will fit all existing models.

Instructions and wiring diagrams are included with every kit so the serviceman should have no trouble with the connections. To order, you must know only the H.P. and whether or not it is high or low torque. There is only one exception to this which is our Model S3N14. In addition to regular applications this model was used on room air conditioners and this application requires a special kit.

Here is a real improvement to take the guesswork and chance of error out of the replacement of electrical components. Save inventory problems and be right *every* time with a genuine Tecumseh approved replacement.

TECUMSEH

The Leader Serving Leaders in the Air Conditioning and Refrigeration Industries

TECUMSEH PRODUCTS COMPANY

MARION, OHIO — TECUMSEH, MICHIGAN

EXPORT DEPT: P. O. Box 2280, 24530 Michigan Ave., W. Dearborn, Michigan

GROUP STUDIES WAY FOR ASHAE-ASRE MERGER

The American Society of Heating and Air-Conditioning Engineers, and American Society of Refrigerating Engineers, unanimously have approved further study of a method for merging the two societies as prepared by the ASHAE-ASRE committee on cooperation.

ASHAE and ASRE Councils also have approved presenting the report to their memberships through regional and sectional meetings during the spring of 1958.

Both societies, providing a subsequent committee report is approved by their Councils in June, will present the method of merger at the summer meetings, and will request approval to submit the proposition for membership vote at the winter meetings.

ARMSTRONG CORK FORMS CONTRACTOR SUBSIDIARY

A wholly owned subsidiary to be known as Armstrong Contracting and Supply Corp., has been formed by Armstrong Cork Co. to handle all contracting operations now carried on by its Insulating Division.

Armstrong will continue its Insulation Div. under general sales manager A. E. Pearce. The division conducted its usual contracting operations until Jan. 1, 1958, when it was taken over by the new subsidiary.

The new subsidiary is headed by J. W. Liddell as president.

The new company, to be incorporated in the State of Delaware, will have its headquarters in Lancaster County. The subsidiary will draw its personnel from the Insulation Div. and general office of the parent company.

Officers of the subsidiary also will include E. D. Ainslie, Jr., Philadelphia and A. J. Stream, Seattle, vice presidents; and E. W. Hines, secretary-treasurer.

"Look at it this way — I'm the doctor and you're the parent of a very sick child!"

CARRIER DIV. BUILDS NEW HOUSTON OFFICE

District office for Machinery and Systems Div. of Carrier Corp. is being moved into a newly built conditioned office building at 2727 Weslayan at West Alabama, approximately four miles from downtown Houston, Tex.

The Houston office specializes in year-round air conditioning systems for multi-story office buildings, department stores, hotels, hospitals, apartments and industrial plants. Other important products include refrigeration machines for process cooling and centrifugal and axial equipment for industrial air and gas compression.

NEW PRODUCTS

For further information on any of these products, simply circle on the postcard provided in this issue the key numbers of the items in which you are interested. Your request will be forwarded directly to the companies concerned.

(For News of Useful Literature turn to page 126)

Air-Cooled Conditioner

Product: Model RES-1AR ("Capitolaire") air-cooled residential air conditioner with remote condensing unit and evaporator coil.

Manufacturer: National-U.S. Radiator Corp., Johnstown, Pa.

Features: Condensing unit can be located with its centrifugal blower anywhere outside home where there is unobstructed fresh air supply. Finish blends into landscaping. Evaporator available either as coil only, or as coil-blower combination, complete with cabinet. Motor is protected by built-in thermal overload and system is protected by high-low pressure switch. Coils and tubing are fully charged and sealed.

Circle No. 239 on Reader Service Card

Industrial Heater

Product: Line of industrial heaters with four-pass counterflow heat transfer.

Manufacturer: Lennox Industries, Inc., Des Moines, Iowa.

Features: Transfer doesn't require internal baffles. Primary heat transfer surface is made of heat-resistant stainless steel. This eliminates refractory lining and its periodic replacement and permits floor mounting or suspended from ceiling. High velocity jet air stream cools heat transfer surfaces. Actual operating temperature of steel does not exceed 70% of scaling temperature, manufacturer says. Giant blowers operate at low shaft rpm's, delivering high cfm capacities with nominal horsepower requirements. Induced draft fans operate independently of main blowers. Available in eight sizes from 400,000 to 2,000,000 Btuh output. Suitable for use with oil, gas, or combination fuels.

Circle No. 240 on Reader Service Card

Electronic Air Cleaner

Product: Line of electronic air cleaners (AC/ME) featuring a ⅓ decrease in size of units.

Manufacturer: Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.

Features: Reduced plate spacing. For example 10,000 cfm electronic air cleaner requires only 20 sq.ft. of space, compared with 30 sq.ft. previously. Cell unit said to handle 60% more air at increased maximum efficiency of 97%. Fit into system without special metal work being needed. Consists of 2 x 2′ filter that contains 45 lbs. of granulated activated coconut-sheel charcoal. Material is placed between perforated sheets of steel, and pleated to provide large filter area in small space.

Circle No. 241 on Reader Service Card

Door Thermoswitch

Product: Thermoswitch which provides adjustable temperature control for effective protection against icing of low temperature and freezer doors.

Manufacturer: Jamison Cold Storage Door Co., Hagerstown, Md.

Features: Thermoswitch used with manufacturer's "Frostop" which provides temperature above dew point at point of gasket contact. Said

to operate along with maximum protection as it maintains temperatures between 60 and 120 F.

Circle No. 242 on Reader Service Card

Automatic Valve

Product: Series (Type E-93) of water-pressure, automatic reducing valves.

Manufacturer: A. W. Cash Valve Mfg. Corp., Decatur, Ill.

Features: Suitable for service on either cold or hot (to 200 F) wa-

ter. Available in ½ to 2″ pipe sizes. All bronze. Special heat-resistant seat disc and diaphragm. Rust-proof steel bolting. Large area monel strainer screen protects working parts. Separate clean-out plug for convenient flushing.

Circle No. 243 on Reader Service Card

Reminder-Type Calendar

Product: King-size, 25-year, reminder-type, wall calendar ("Sked-U-Cal") with changeable monthly cards having big date space for erasable notes.

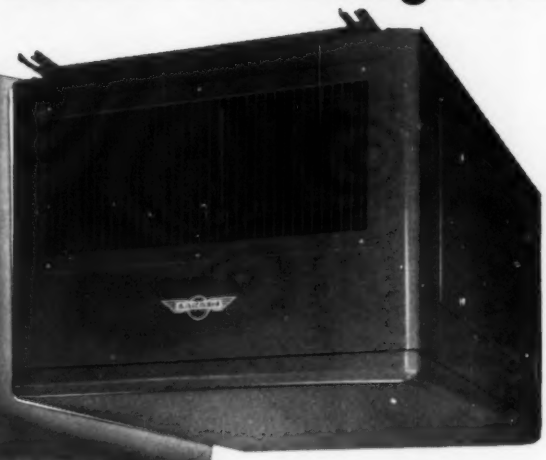
Manufacturer: L. D. Blehart Co., Mount Vernon, N. Y.

Features: About 2 sq.ft. Per-

Low Installation Cost! Low Price! Long Life!

CHOOSE THE LARKIN (YEAR 'ROUND) AIR CONDITIONER

5 MODELS — 2 TO 10 TONS



Ideal for:

STORES BARS
SHOPS GRILLS
OFFICES RESTAURANTS
BAKERIES FLORISTS
CLINICS

Cools or heats • De-humidifies Filters • Circulates Air

Here is Larkin's answer to the ever-increasing demand for year-round comfort conditioners. When you see it . . . when you compare it . . . when you price it . . . then you will understand why we say it is another triumph for Larkin—manufacturer of air-conditioning equipment for nearly 25 years.

See your wholesaler today for complete information about the all-new Larkin Comfort Conditioner. Write us for the name of the one nearest you—or for descriptive literature.

FEATURES THAT SELL AND SATISFY

- Larkin air-conditioning coil—eight fins per inch, continuous fin, staggered tubes, for highest efficiency and lowest operating cost
- Compact cabinet, all-steel, rust-resistant, beautifully finished with baked-on enamel
- Fiber-glass insulation
- Pressure-type, centrifugal, dynamically balanced, forward curved fan wheels
- Frictionless, self-aligning bearings completely encased in Neoprene
- Resilient base motors on adjustable mounts
- Two-direction, adjustable discharge grille
- Easily removed, throw-away filters
- Heating coils for use with steam or hot water
- Slotted hanger bars
- Easily installed, easy to service
- Backed by the engineering skill and manufacturing reputation of Larkin Coils—one of America's leading makers of commercial and industrial refrigeration and air-conditioning equipment

WATCHDOG OF THE NATION'S FOOD AND COMFORT ☆ LARKIN ☆

"Originators of the Cross Fin Coil"

LARKIN COILS INC.

519 MEMORIAL DRIVE, S.E., ATLANTA, GEORGIA

Circle No. 73 on Reader Service Card

manent working tool. Rigidly constructed. Colorfully lacquered back-

board of processed wood. Cards slide to left or right. Cards can be inserted or removed from front as well as from sides. Recess in center of top panel holds monthly name cards. Space on both sides makes convenient pencil holder. Cards are heavy cardboard with surface laminated with plastic film. Includes one black and one red pencil.

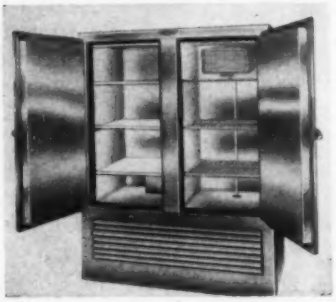
Circle No. 244 on Reader Service Card

Freezers and Refrigerators

Product: Line of freezers and dual-temperature reach-in refrigerators.

Manufacturer: McCall Refrigerator Corp., Hudson, N. Y.

Features: Plate-type freezers in sizes from 19 to 65 cu.ft. Reach-ins have direct-expansion-type, full-flooded freezer plates. Plates are mounted in cabinet as shelves. Temperature control switch. Pan-type doors. Reach-ins in sizes from combined 23 to combine 47 cu.ft. Plate

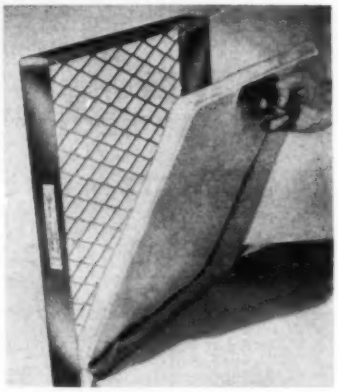


surfaces can be used for direct contact freezing. Normal temperature compartment has adjustable, heavy-duty, tinned shelves. Cabinet refrigerated with mullion or ceiling-type blower. Heavy-duty coils balanced to provide automatic defrost during off cycle.

Circle No. 245 on Reader Service Card

Air Filter

Product: Air filter designated "Pure-Air" filter.



Manufacturer: Arco Mfg. Corp., New York, N. Y.

Features: Disposable filter pad made of synthetic fibers. Pads are free of oil or adhesive. Pads weigh about 1 oz. Retainer ring removed for changing of pads.

Circle No. 246 on Reader Service Card

Dehumidifier

Product: Dehumidifier with "furniture" styling.

Manufacturer: Gibson Refrigerator Co., Div. of Hupp Corp., Greenville, Mich.

Features: Overflow cut-off device automatically turns off unit and flashes red light when water container is full. Approximate for any location where appearance is important. Water container has hose

connection for direct drainage. Said to remove three to four gal. of water in 24 hours and take care of 12,000

to 14,000 cu.ft. 18-3/16" high, 12½" wide, and 20" deep. Weighs only 67 lbs. Mounted on nylon gliders. Water container holds about nine quarts.

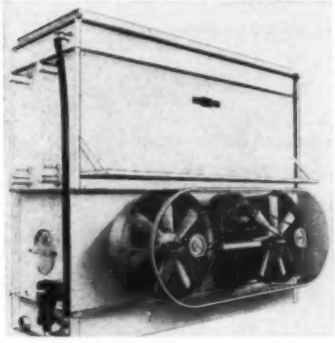
Circle No. 247 on Reader Service Card

Water Cooler

Product: Line of industrial water coolers for closed system applications where process water temperatures are critical.

Manufacturer: Baltimore Aircoil Co., Baltimore, Md.

Features: A savings of up to 95% of the water normally used



for industrial cooling is possible, manufacturer says. Three styles are available: centrifugal fan draw-through, for indoor installations where floor space is factor; centrifugal fan blow-through; and propeller fan blow-through, for use where minimum horsepower is desired.

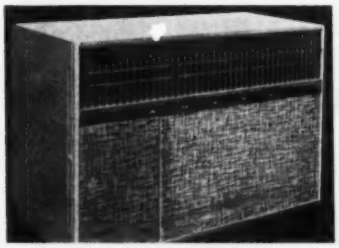
Circle No. 248 on Reader Service Card

Air Conditioner

Product: Four lines of air conditioners.

Manufacturer: Amana Refrigeration, Inc., Amana, Iowa.

Features: Year-round line: themostatically controlled reverse cycle; available in 1, 1½, and 2 hp, 230-volt, and 1½ hp, 115-volt. "Air Command": rotating air discharge grilles permit 360° directional air control for draft-free cooling; dimensions are 15" high, 25" wide,



and 28" deep. "Decorator": panel designed so that owner can change panel to any color or fabric to match any decor; fingertouch glider control hidden behind decorator panel offers choice of seven cooling settings. "Slim-Lo" (model shown): may be mounted flush with window, all the way inside, or all the way outside, or mounted through wall; height 18", and width 27".

Circle No. 249 on Reader Service Card

Remote Dehumidifier

Product: Line of sprayed coil dehumidifiers.

Manufacturer: Trane Co., La Crosse, Wis.

Features: Especially adaptable

THE MOTOR PUMP

IS ALWAYS A GOOD

sales point

Customers buying air conditioning systems are vitally interested in the various components that make up the system. They want brand names they know ana recognize . . .

When you offer Ingersoll-Rand Motorpumps as an integral part of the systems you sell, your customers are getting dependable, trouble-free service from compact pumps designed specifically for air conditioning service. *You* get easy installation, fewer service calls . . . and more satisfied customers.

Motorpumps are available from 1/4 to 75 horsepower. Write for our latest literature on Motorpumps for air conditioning service.

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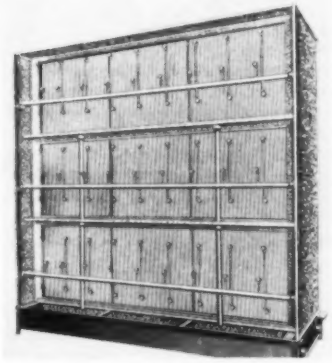
Circle No. 76 on Reader Service Card

for applications requiring precision humidity control. Also used in induced air systems for dehumidification of primary air supply. Basic



components are coils, spray nozzle assembly, heavy gauge eliminators and corrosion-resistant vertical casing. Capacities from 2500 to 41,000 cfm.

Circle No. 250 on Reader Service Card

Heavy-Duty Pump

Product: Portable, heavy-duty, hydraulic motor pumps.

Manufacturer: Tal Bending Equipment, Inc., Milwaukee, Wis.

Features: Develops up to 10,000 psi. Weighs only 65 lbs. Adaptable for wherever hydraulic power is used or can be used to replace mechanical power. Said to deliver 80 cu.in. of oil per minute. Driven by ½-hp, single-phase, 60-cycle, 1750 rpm, 110-220-volt motor.

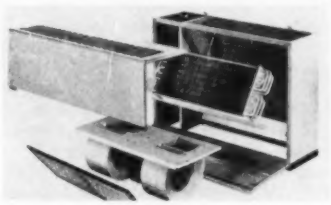
Circle No. 251 on Reader Service Card

Cabinet Heater

Product: Redesigned line of cabinet heaters that permits selection of a broad range of hot water and steam ratings.

Manufacturer: American Blower Div. of American-Standard, Detroit, Mich.

Features: Choice of seven colors. One-row and two-row heating elements and three-row hot water element are available for each size. This flexibility permits selection of 21 hot water ratings and 14 steam ratings. In two types: direct-connected, blow-through-type; and draw-through-type. Both available for floor, ceiling,



wall, or inverted mounting; non-recessed, semirecessed, fully recessed, or concealed installation. 43 different mounting arrangements possible.

Circle No. 252 on Reader Service Card

Condensate Removal Pump

Product: Model C-21-F sump-type condensate removal pump for air conditioning and refrigeration equipment.

Manufacturer: March Mfg. Co., Inc., Skokie, Ill.

Features: Mounts inside a.c. case and off the unit floor. Can mount outside of case but off room

floor. Also can mount on wall closely adjoining a.c. or refrigeration unit. High vertical lift. By pumping down lower in sump and by using mercury switch and float mechanism, unit empties more of its 1 or 2-gal. sumps for more reservoir space for coil deluges when fan goes off or for units with inadequate drip pan space or for multiple coil setups. Dimensions are 7" round x 11" high with removable dove-tail bracket to simplify mounting.

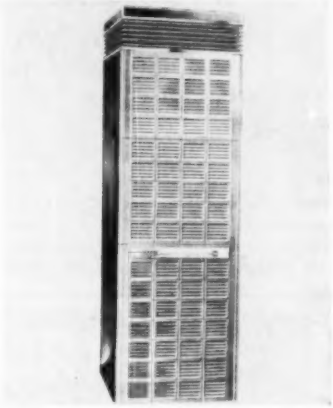
Circle No. 253 on Reader Service Card

Flexible Conditioning System

Product: "Landmark" system of year-round air conditioning with heating, cooling coil, and blower-filter elements in separate cabinets for flexibility in installation.

Manufacturer: Lennox Industries, Inc., Marshalltown, Iowa.

Features: Dozens of arrangements possible from one series of components. Line includes forced warm air furnaces for gas or oil fuel or electric resistance heating,

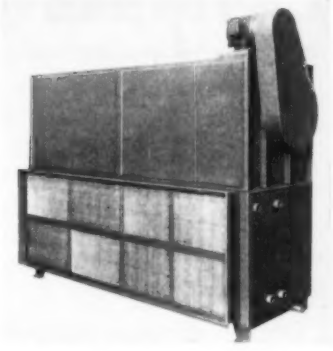


air conditioners, and combination heating and cooling units. Heating capacities range from 40,956 to 378,000 Btuh. Cooling capacities from two through 10 tons. Both up-flow and down-flow packages are offered. Separate cabinets are aligned by centering pins to give the appearance of single cabinet assembly in completed installation. Cabinet doors are removed easily for servicing.

Circle No. 254 on Reader Service Card

Central Plant Conditioner

Product: 2-fan model central plant air conditioner of 75 to 100-ton capacity.



Manufacturer: Thermal Engineering Corp., Houston, Tex.

Features: Sectional construction. Slide rails for easy removal of coils for cleaning. Designed to meet trend for higher capacities in factory-made units.

Circle No. 255 on Reader Service Card

Smoke Test Gun

Product: Smoke test gun for use in checking air movement in heating or cooling installations, or for demonstrating performance of

such systems to customers.

Manufacturer: Air Control Products, Inc., Coopersville, Mich.

Features: Requires only cigarette to produce dense, directed

smoke stream for visual check. Loaded by unscrewing holder from pump, inserting lighted cigarette, and screwing holder back into end of pump. Few strokes of plunger handle will force smoke through jet in just the right volume. Can be used without danger of damage to home furnishings, manufacturer says.

Circle No. 256 on Reader Service Card

Year-Round Units

Product: Packaged air conditioners and heat pumps.

Manufacturer: Gibson Refrigerator Co., Greenville, Mich.

Features: Packaged cooling units designed for simple installation and operation without water. Can be suspended from ceilings, straddle or flush mounted; installed in basement, attic, crawl space, dormer, outside flat roof or attached to forced air system. Available in 2 and 3½ hp with capacity range from 21,000 to 34,000 Btuh. Twin compressors on 3½ hp unit. Inclined evaporator coil increases dehumidification at all temperature levels. Both models have two-stage heating-cooling thermostats. Weatherproof for outside installation. Heat pumps provide heating capacities of 21,600 Btuh at 35 F outside temperature.

Circle No. 257 on Reader Service Card

Portable Crane

Product: Portable, lightweight crane designated "Mr. Hercules".

Manufacturer: Mechanical Refrigeration Enterprises, North Hollywood, Calif.

Features: Weighs less than 20

lbs. Can be assembled and disassembled quickly. Occupies only small part of car trunk. Lifts over 125 lbs. to height of over 7'. Boom adjustable vertically to permit pinpoint loading and easy entrance between shelving aisles. Rubber wheels. One-man operation.

Circle No. 258 on Reader Service Card

Automatic Defrost System

Product: "Frostomatic", automatic defrost system for truck refrigeration.

Manufacturer: American Mfg. Co., Div. of Standard Forge & Axle Co., Corona, L.I., N. Y.

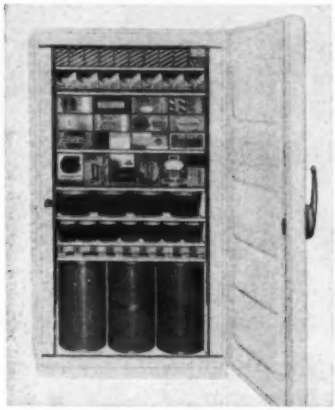
Features: Thermostatic control starts defrost cycle only when predetermined temperature difference between evaporator coil and air is exceeded. Two independent bellows systems oppose each other to give compensation through entire refrigerator temperature range at which frosting of coil may occur. As frost forms on coil, heat exchange between coil and refrigerator air is reduced. Refrigerant temperature in coil thus is reduced. Defrost cycle

then starts. Control ends cycle when evaporator coil temperature is raised to point where all frost is melted. Use of heat pump cycle provides adequate heat for fast defrost, even in outside ambients of –20 F.
Circle No. 259 on Reader Service Card

Upright Storage Cabinet

Product: Commercial low-temperature, upright, storage cabinet (SC-21) for storing ice cream and frozen foods.

Manufacturer: Kelvinator Div., American Motors Corp., Detroit, Mich.

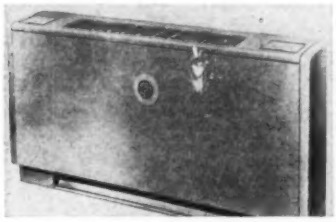


Features: 21 cu.ft. of storage capacity. Only 36" wide. Four shelves are adjustable within inches of one another, or may be removed completely. Thermostat easy to reach at top of cabinet interior. Vertical door handle has built-in lock. Radiant, shell-type condenser never needs cleaning, manufacturer says. Fanless, ⅓ hp compressor. Cabinet 28-13/16" deep and 69⅞" high.
Circle No. 260 on Reader Service Card

Remote Conditioner

Product: Remote heating and cooling unit ("Nelsonaire") for school offices and other nonclassroom use.

Manufacturer: American Air Filter Co., Inc., Louisville, Ky.



Features: For heating, hot water piped from boiler room is circulated through coil. For air conditioning, chilled water is circulated through same piping and coil. Air conditioning optional, but can be added later by installing chiller in boiler room. All models are only 9" deep and 25" high. Basic decorator colors.
Circle No. 261 on Reader Service Card

Time Control

Product: 8100 Series "D-Frost-O-Matic" time controls.

Manufacturer: Paragon Electric Co., Two Rivers, Wis.

Features: Completely adjustable automatic defrost period time control. Especially designed for electric heating and reverse cycle or hot gas methods of defrosting commercial frozen food cabinets, dairy, del-

icatessen, and vegetable display cases, ice cream cases, and walk-in coolers. Control makes any low temperature or normal refrigeration system perform better and automatically reduces compressor down time, manufacturer says.

Circle No. 262 on Reader Service Card

Nozzle for Roof Cooling

Product: Nozzle (RC-1) made especially for roof cooling.

Manufacturer: Bete Fog Nozzle, Inc., Greenfield, Mass.

Features: Manufacturer claims coverage of 16′ diameter or about 300 sq.ft. per gpm at operating pressure of 10 psi. Less apt to clog due to absence of internal parts and small orifices. Made from single piece of brass material.

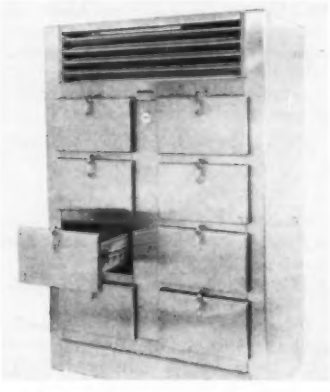
Circle No. 263 on Reader Service Card

Fish Refrigerator

Product: Refrigerator (FS 8 UT) designed for storage of fish.

Manufacturer: Traulsen & Co., Flushing, L.I., N. Y.

Features: Eight drawers permit



quick and easy selection of different types of fish and seafood. Intermingling of odors is reduced to point where meats and dairy products can be stored in drawers (self-closing) not needed for fish. Less ice needed—both in initial volume and wastage through melting. Drawers also use less ice and maintained temperature prevents constant melting. Inside drawer area 18 x 14 x 7″.

Circle No. 264 on Reader Service Card

Gas Boiler

Product: Line of gas boiler (16C series) to meet residential, commercial and industrial heating and hot water supply requirements.

Manufacturer: Heating and Air Conditioning Div., National-U.S. Radiator Corp., Johnstown, Pa.

Features: Designed for use with steam, vapor, gravity hot water or forced hot water heating systems. A.G.A. approved for natural, manufactured, mixed, liquid petroleum, and LP gas-air mixtures.

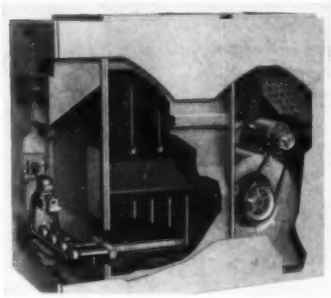
Circle No. 265 on Reader Service Card

Gas-Fired Furnace

Product: "Low-Boy" line of three gas-fired furnaces.

Manufacturer: Coleman Co., Inc., Wichita, Kans.

Features: Input ratings of 105,000, 135,000, and 165,000 Btuh.



Overall height excluding plenum is 42½″. Belt-driven blowers permit wide range of air adjustment. Can be used with all types of duct systems. Blower capacities are ample for summer air conditioning when coils are installed in furnace plenum. Quiet operation assured by sectionalized design of heat exchanger, manufacturer says.

Circle No. 266 on Reader Service Card

Room Air Conditioner

Product: Line of room air conditioners.

Manufacturer: Remington Corp., Auburn, N. Y.

Features: 8 new series range from ¾ to 2 hp. 230v models may be equipped with conversion package to maintain overload capacity on 208v circuits. Most models available for 50 or 60-cycle operation. Ultra-thin and in-wall models are offered, along with both water cooled and air cooled consoles.

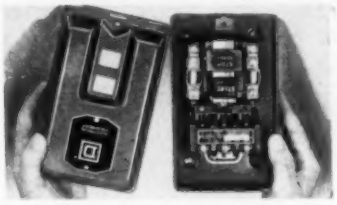
Circle No. 267 on Reader Service Card

Manual Starter

Product: Line of Class 2510 integral horsepower manual starters.

Manufacturer: Square D Co., Milwaukee, Wis.

Features: In NEMA size 0 and 1, for control of motors up to 7½ hp. Heavy-duty, toggle-action operating



mechanism gives positive snap-action opening and closing of contacts, with no dead center position. Self-centering pushbuttons give visual indication of overload condition. Available in compact 2, 3, or 4-pole construction. Packaged parts kits are available for routine maintenance and modification needs.

Circle No. 268 on Reader Service Card

Return Air Grille

Product: Return air grilles and registers for heating and air-conditioning.

Manufacturer: Waterloo Register Co., Inc., Waterloo, Iowa.

Features: Fixed blades with curved hemmed edge results in nearly sight proof grilles without decreasing area for free air passage. Hemmed edge strengthens blade and eliminates sharpedge of previous designs.

Circle No. 269 on Reader Service Card

Air Handling Unit

Product: Air handling units for use in high velocity systems.

Manufacturer: Recold Corp., Los Angeles, Calif.

Features: Vertical, horizontal, and multi-zone units. Special wheels added, with slight unit modification, make possible a unit for every type of system. Range of sizes from 2350 to 29,000 cfm. Angle iron frame.

Circle No. 270 on Reader Service Card

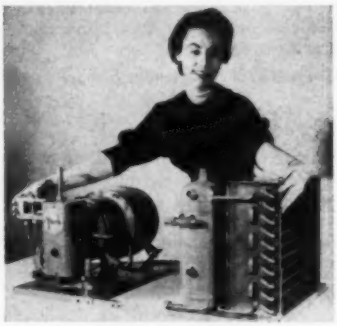
Hermetic Condensing Unit

Product: Line of "Flex-O-Matic" hermetic condensing units.

Manufacturer: York Corp., subsidiary of Borg-Warner, York, Pa.

Features: Interchangeable compressor and condenser sections. Condenser section also can be installed

remotely from compressor section. Compressor section is wired completely for use on racks. Condensing units separate quickly and easily by



removing four bolts in base and disconnecting single flared tube which connects compressor and condenser sections. Available in nine models from ⅓ to 7½ hp.

Circle No. 271 on Reader Service Card

Portable Drawing Board

Product: Portable plastic drawing board.

Manufacturer: Leslie Creations, Lafayette Hill, Pa.

Features: Molded of polystyrene. Weighs less than 8 oz. Includes

two transparent plastic triangles. Two retractable metal straight edges eliminate need for T-square. Four recessed spring clips hold 8½ x 11″ sheet of paper. No thumbtacks or scotch tape needed. Triangles clamp underneath board when not in use. Rubber cushions protect desk top. Measures 10 x 12″. Fits into briefcase.

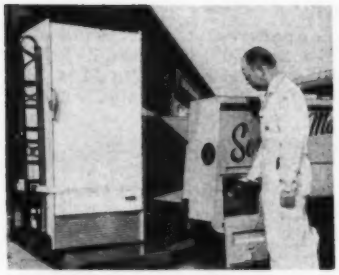
Circle No. 272 on Reader Service Card

Elevating Tail Gate

Product: Elevating tail gate known as "Weight Lifter".

Manufacturer: H. S. Watson Co., Emeryville, Calif.

Features: Mounts underneath pickup to truck frame with four bolts. 12 or six-volt battery-electric-hydraulic powered, with reservoir, pump, valve, and control switch all in one unit. Control package mounts in convenient place on side of truck body, with only leads to battery to hook up. 800 lb. lifting capacity.



Safety switch stops load when operator takes his hand off control lever.

Circle No. 273 on Reader Service Card

Electronic Air Cleaner

Product: "Tec Line" of electronic air cleaners for residential use.

Manufacturer: Electro-Air Cleaner Co., Inc., Pittsburgh, Pa.

Features: Includes both vertical and horizontal flow units. Easily installed in any forced air heating, ventilating, or cooling system.

Circle No. 274 on Reader Service Card

Humidifier Cleaner

Product: "Vapco" humidifier cleaner.

Manufacturer: German Co., Inc., St. Louis, Mo.

Features: Quickly dissolves scale, corrosion, rust, and solids from humidifiers and plates, manufacturer says. Dry powder package in 12 oz. cans. One can mixed with about two gallons of hot water is suitable for cleaning all makes and models of humidifiers, according to manufacturer.

Circle No. 275 on Reader Service Card

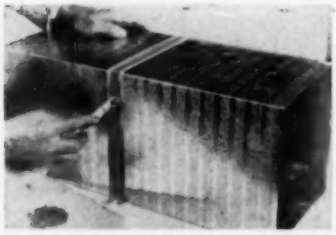
Epoxy Resin Cement

Product: Aluminum-filled epoxy resin compound ("Metalset A4") in two collapsible tubes.

Manufacturer: Smooth-On Mfg. Co., Jersey City, N. J.

Features: Proper proportions of

resin and low-toxicity catalyst are measured accurately and automatically. Identical lengths of each are squeezed out from respective tubes. Two different colored components then are mixed to uniform color. Said to resist acids and alkalis and is Nonflammable. Illustration shows compound being used to caulk joint between two sections of galvanized sheet metal ducting. Masking tape is removed before material has cured.



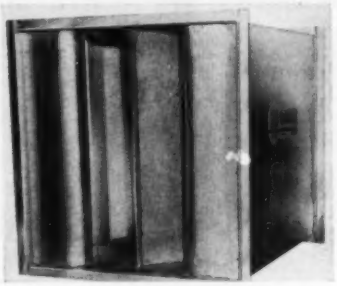
Circle No. 276 on Reader Service Card

Modular Silencer

Product: Addition of modular silencer to line of "Quiet-Duct" silencers for air conditioning and ventilating systems.

Manufacturer: Industrial Acoustics Co., Inc., New York, N. Y.

Features: Available in full sizes, 24 x 24 x 30″; half sizes, 24 x 12 x 30″; quarter sizes, 12 x 12 x 30″. Can be installed in parallel to handle large volumes. Can be placed in series for additional noise control. Available with slip joint connections.



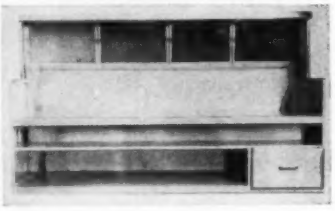
Circle No. 277 on Reader Service Card

Counter Stand

Product: Under-counter equipment stand with downdraft.

Manufacturer: S & R Soda Fountain Mfg. Co., Inc., New York, N. Y.

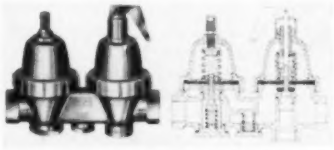
Features: 31″ front to back. In lengths from 4 to 6½′. All exposed surfaces are stainless steel. Drawer on ball bearing tracks. Easily removable. Adjustable legs. Sliding doors are mounted on roller bearing sheaves. Grease trough and cup catch all excess grease from filters.



Circle No. 278 on Reader Service Card

Control and Valve

Product: Line of bronze dual controls and reducing valves with built-in check valves.



Manufacturer: Taco Heaters, Inc., Cranston, R. I.

Features: Dual unit in ½″ size only. Reducing valves in ½ and ¾″ sizes. Large strainer areas. Stainless steel compensating springs. Non-sticking, high-temperature seat discs. Reinforced diaphragms.

Circle No. 279 on Reader Service Card

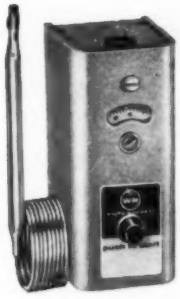
"In my book, no other control can begin to compare with WHITE-RODGERS..."

"My book, as a matter of fact, proves it! I keep a record of every job—and my service reports show in black and white . . . White-Rodgers controls give longer, better service!"

Wherever control trouble means loss, smart servicemen and application engineers use White-Rodgers for commercial and industrial refrigeration installations. Accurate, quick-acting Hydraulic-Action and rugged switch with oversize silver contacts, in dirt and vermin proof case, stop service troubles before they start.

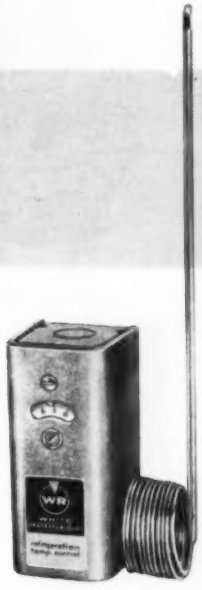
Type 1609-12. The pinch-hitting king of the refrigeration control world. With a range of −20 to +50° F., Adj. Diff. 3 to 25°, 5 ft. capillary with 5¾ x ⅜ inch bulb it can handle almost any control replacement. Can be used in zoning systems. Make it a habit to keep several on hand.

Type 1629-11. Selective Range Temperature Control. Ideal for use on water, beer and beverage coolers, vegetable and meat display cases, etc. Cover dial graduated 1 to 5 with knob-pointer for easy adjustment of any point in selected portion of total 20 to 75° range. Capillary, 5 ft.



Type 1639-6. Manual Pre-Start Temperature Control for use on milk coolers where it's necessary to have compressor running when warm milk is added. Pre-start button for manual starting of compressor. Range 33 to 55° F. Capillary, 5 ft. The 33° F. minimum range prevents dial from accidentally being set to a milk-freezing temperature.

Type 1609-13, knob type, for control of a wide variety of refrigeration applications where frequent changes in temperature are necessary. Can be used in zoning systems where all thermostats control a common compressor, but operate separate solenoid refrigerant valve in each zone. Range: −20 to +50° F. Capillary, 5 ft.



Type 1609-31 has special 15½ inch air-sensitive bulb to give quick and accurate response to slightest temperature changes. For use on ice cream, quick freeze, deep freeze and frozen cabinets. Range: −20 to +50° F. Also available for 33 to 55° F. Capillary, 5 ft.

Where there's a control problem,
THERE'S A NEED FOR WHITE-RODGERS CONTROLS

AUTOMATIC CONTROLS for heating, air conditioning and refrigeration

WHITE-RODGERS

ST. LOUIS 6, MISSOURI TORONTO 8, CANADA

Circle No. 83 on Reader Service Card

LETTERS . . .

Continued from page 10

in the editorial copy in your magazine within the last six months and can truthfully say we feel that the type of material you are printing today is far superior to other trade publications.

Since your magazine is read by the type of dealers that we encourage, good down to earth facts are of more value to the trade than editorials on glory type jobs.

We must, as an industry, collectively group together and train our dealers to be better salesmen and better businessmen.

Keep up the good work!

H. B. SHAFFER
S. S. Fretz, Jr., Inc.
Philadelphia, Pa.

Seeks Source for "Phoenix" Soda Fountain Parts

EDITOR:

As a subscriber and ardent reader of your magazine, COMMERCIAL REFRIGERATION & AIR CONDITIONING, I am writing you requesting a little information that I hope you can supply.

I need some repair parts for a "Phoenix" soda fountain, but have been unable to determine just who manufactures this line of equipment and where they are located.

ARTHUR FINCH
Arthur Finch Refrigeration
Maysville, Ky.

Phoenix soda fountains are manufactured by Phoenix Soda Fountain Co., Inc., 307 Bruckner Blvd., New York 54, N. Y. Information concerning repair parts should be available from this source.

Supports Black's Conclusions

EDITOR:

I read with great interest Mr. Vincent P. Black's article entitled "7 Industry Problems" in the December issue.

It is my humble opinion that the air conditioning and heating industry's manufacturers, distributors, dealers, and allied suppliers should collectively and individually take note on the seven points made in Mr. Black's article as the best summary made to date of our industry's most serious problems and possible solutions to these problems.

A. J. L. MORITZ, JR.
Trane Co.
Miami, Fla.

MADDEN BRASS NAMED WIMCO DISTRIBUTORS

Wilson Mfg. Co. has named Madden Brass Products Co. as national distributors for its Wimco line of tube working tools.

WORTHINGTON UNITES HOME SALES OUTLETS

All Worthington Corp.'s home air conditioning and heating equipment sales now will be handled by the corporation's Mueller Climatrol Div. under a new policy announced by Walther H. Feldmann, president of Worthington.

Sales to the commercial and industrial markets will continue to be handled by Worthington's Air Conditioning and Refrigeration Div.

Previously the two divisions operated separate distribution systems in the residential market.

Elston J. Tribble, group vice president of Worthington, will administer the overall operations of both divisions.

TRANE DEALER NAMED

Raymond Diehl Co., Tallahassee, Fla., has been appointed an authorized source of Trane package air conditioning equipment.

CORRIDORS PRE-COOLED IN NEW "CARILLON"

In designing the 890-ton air conditioning system for Miami Beach's new 620-room Carillon Hotel, Hill-York Sales Corp., the installing contractor, replaced cooling towers with a York marine system, which uses salt water from deep wells.

The Carillon is one of the few hotels on Miami Beach which does not have cooling towers. The hotel uses a chilled water air conditioning-heating plant, designed by Hill-York.

Each of the hotel's 620 guest rooms and all public areas will have its own thermostat. All 22 stores in the building will have a central thermostat which will maintain a constant temperature in all the stores. Corridors will be pre-cooled with 100% fresh, dehumidified air through a duct system.

Each room, which will be air conditioned by individual units mounted horizontally close to the door, will receive its fresh air supply from the pre-cooled corridors.

BOOK REVIEW

Title: **Refrigeration, Air Conditioning and Cold Storage, 1232 pages.**

Author: **Raymond C. Gunther**

Publisher: **Chilton Co., Philadelphia, Pa.**

Price: **$17.50**

Covers the development, production and application of refrigeration and air conditioning. The material starts with required physics, mechanical refrigeration cycles and types of equipment and controls. Basic refrigeration calculations include standard measurements, use of specific heat factors, heat load calculations, work done by compressor, pressure drops.

Description of the application, operation and maintenance of refrigeration and air conditioning systems includes drawings. Also calculations for determining loads, equipment sizes, insulation, power, etc.

Discusses steam jet refrigeration, absorption systems, heat pumps, electric motors, fans, and pumps.

JOINS D-H SALES GROUP

Expansion of Drayer-Hanson sales representation in Minnesota was announced recently. Appointed to handle D-H air conditioning products is the Geo. R. Mellema Co., Minneapolis. Continuing as sales agent for the manufacturer's refrigeration equipment is Associated Refrigeration Products, Minneapolis.

CINCINNATI SUB-ZERO APPOINTS ONTARIO FIRM

Ed O'Sullivan and Gregg Kirby, owners of General Refrigeration, Kitchener, Ontario, have been appointed sales representatives for Cincinnati Sub-Zero Products, Cincinnati, Ohio, manufacturers of low-temperature chilling machines.

The territory is south and west of a line through Midland, Orilla, Lindsay, Peterborough and Port Hope.

Square D Vertical Action Magnetic Starters Sizes 0, 1, 2, 3, 4 and 5

ONLY SQUARE D GIVES YOU ALL 5

1 *QUICK* INSTALLATION!

No groping or fumbling. Square D gives you lots of wiring space, plenty of knockouts, handy and clearly marked pressure wire connectors.

2 *TOP* PERFORMANCE!

No needless downtime from coil burnout, mechanical binding, contact freezing. Square D gives you an extra-capacity magnet with a tough and cool-operating encapsulated coil to handle additional poles and interlocks—a guided single moving part—big silver cadmium-oxide contacts with strong finger springs—arcing yokes on larger sizes.

3 *REAL* OVERLOAD PROTECTION!

No change in trip characteristics because of mismatched parts supplied separately for field assembly, no distortion of heater in installation. Square D gives you melting alloy unit construction—factory-assembled and individually tested for bull's-eye accuracy. Also bi-metal and magnetic designs for automatic reset or adjustable trip applications.

4 *EASY* INSPECTION and MAINTENANCE!

No starter is "maintenance-free." But Square D makes the job easy. Inspection is a breeze. You don't have to remove wiring for contact replacement or take the starter out of the enclosure to change coils.

5 *WIDE-RANGE* ADAPTABILITY!

No need for excessive inventories to avoid costly waiting for non-standard arrangements. Square D provides "off-the-shelf" kits for changing contacts and coils, adding pushbuttons, selector switches, and up to 4 double-throw auxiliary circuits.

Send for the COMPLETE Story!

Square D Company, Dept. 24,
4041 North Richards Street, Milwaukee 12, Wisconsin

Please send me your new bulletin with detailed proof that Square D offers me my best starter investment.

Name_____

Company_____

Address_____

City_____ Zone____ State_____

SQUARE D COMPANY

Circle No. 116 on Reader Service Card

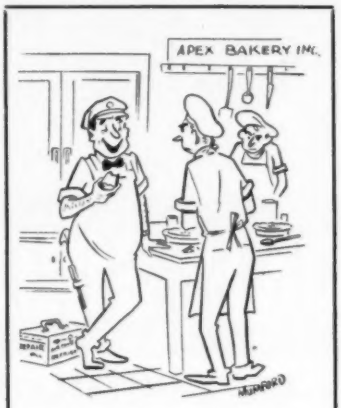
WORTHINGTON FINISHES COOLING SHIP AT SEA

Final installation of an air conditioning system was completed recently on the high seas aboard the Italian luxury liner S. S. Castel Felice during her recent maiden voyage from Cuxhaven, Germany to Montreal, Canada. The 12,149-ton ship, property of Societa Italiana Trasporti Marittimi (SITMAR) was completely modernized and outfitted for Worthington Corp. air conditioning.

At Hamburg, Germany, heavy steel deck plates on the forward portion of the 470′ vessel were removed and a 340-ton centrifugal refrigeration unit, including a compressor, condenser and chiller, were lowered into a below-deck compartment. Worthington engineers then rearranged equipment and made modifications to make room for the unit in the limited space of the ship's hold.

Ductwork, assembled from a polyvinyl material that resists salt water corrosion, was installed throughout the passenger quarters, luxury lounges, crew quarters, and work space. The refrigeration unit chills a calcium chloride brine that is circulated to air handling units installed throughout the ship. The sea water pump for the condenser and the brine pump for circulation through the evaporator were manufactured by Worthington's associated company in Milan, Italy.

Bert Thur, the company's service engineer, completed final work on the cooling system while the ship was underway on the Atlantic Ocean. Somewhere off the Canadian coast, the ship's air conditioning system was turned on for the first time to cool her 1,127 passengers and 125 crew members for the remainder of the trip.



"Yeah, now the freezer'll preserve your pies all right—but it won't improve their taste!"

JOINS DENVER FIRM

Carson's, Inc. of Denver, distributors of Bastian-Blessing Company's line of soda fountains and fast food service equipment, has appointed Noble H. Koontz for the past two years was area manager of its recently organized Special Products Div. Koontz for the past two years was area manager of the Rocky Mountain division of Sweden Freezer Co.

UTILITY FAN OPENS MID-WESTERN OFFICE

Expansion of Utility Fan Corp.'s sales and service operations to the mid-west and eastern market has been announced.

Marcus McGuire, factory-trained engineer formerly with U.S. Motors, will head the new operation with headquarters in Chicago.

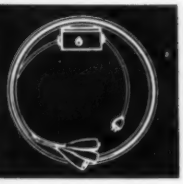
Circle No. 91 on Reader Service Card

THE RIGHT MOVE IS TO.. AIRSERCO COST SAVERS

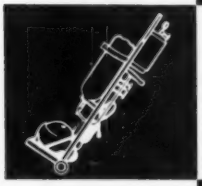
MANOMETER

PORTABLE MEASURING TUBE

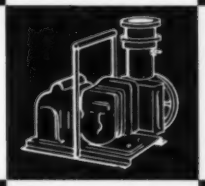
Where performance makes the difference, AIRSERCO excels. And top performance in refrigerant handling and precision measuring equipment cuts costs!



TEST CORD



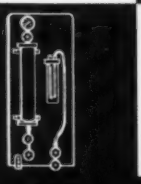
AUTOMOTIVE STATION



KC-2 PORTABLE HIGH PUMP VACUUM

TANK HOLDER

ELECTRIC ANALYZER



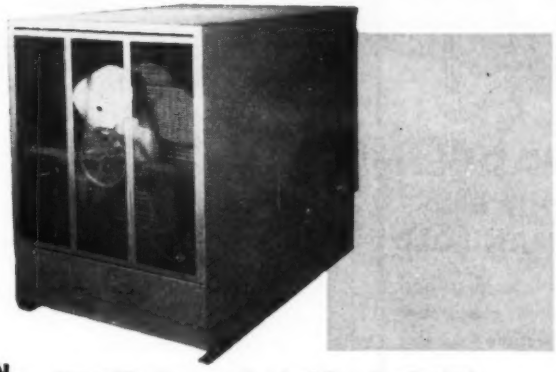
#1 MIDGET PANEL

Send now for our 1958 Refrigerant Handling & Measuring Equipment Catalog No. R-8. No charge.

AIRSERCO MANUFACTURING CO., INC. PITTSBURGH 13, PENNSYLVANIA, U.S.A.

Airserco has built more refrigeration testing equipment than any other company in the world.

RUGGED CONSTRUCTION • QUIET OPERATION
LOW SILHOUETTE • CORROSION RESISTANCE



at sensational low cost with

MASTER-BILT COOLING TOWERS

The Economical Line with a Wealth of Outstanding Features:

- Galvanized steel construction
- 10 models, 3 through 50 tons
- 25% more evaporative surface with removable heart of redwood decking
- Indoor-outdoor installation
- Inlet and outlet screens (as illustrated) and distribution pan cover.
- Quiet motor, mastic coated interior
- Completely assembled — easy to install

Now — Master-Bilt gives you the durability of galvanized steel at black iron prices in this comprehensive line of cooling towers. Towers are delivered completely assembled, ready for piping and wiring. 15 through 50 ton models are bolted for easy disassembly, if necessary, and 3 to 10 ton models are all welded. For complete information, send coupon today.

MASTER-BILT

REFRIGERATION MFG. CO.

4209 FOLSOM AVE. • ST. LOUIS 10, MO.

MASTER-BILT REFRIGERATION MFG. CO.
4209 Folsom Ave., Dept. CR
St. Louis 10, Mo.

Please send me complete information on Master-Bilt galvanized cooling towers.

NAME .....

COMPANY .....

ADDRESS .....

CITY ..... ZONE ..... STATE .....

Circle No. 90 on Reader Service Card

HERE'S HOW . . .

Continued from page 71

tion to pass through and link with the roof insulation. A non-setting mastic was used to seal the joints at the juncture of roof and wall insulation. This allows for expansion and contraction.

Libby's Ocala plant processes around 24,000 boxes of oranges per day at full capacity. The plant is closed during the three summer months, but the cold storage rooms are in year-round service. The plant addition described here

"We figure you're bound to take a crack at it sometime, so you might as well have the proper tools."

added 20,000 sq.ft. of floor space, and 500,000 cu.ft. of volume.

The finished product, 6-Oz. cans of concentrated orange and lemon juice, is conveyed from the processing line by large lift trucks and stacked approximately 20' high in the cold storage room until shipped. Constant temperature of −10F is maintained in this room.

The 40-ton ammonia refrigeration system consists of a rotary booster compressor and a reciprocating high stage compressor connected with three Niagara blowers. These are interlocked with a Niagara "No-Frost" concentrator which provides continuous defrosting for the cold storage room.

What's New In Refrigerants?

ISOTRON*

IN THE TRONA† PACKAGE...

TWO GREAT NAMES *combine to serve you*

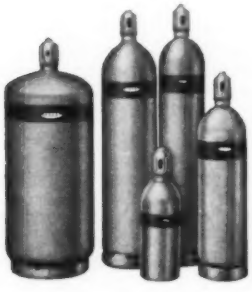
TRONA

Pennsalt Chemicals

Effective immediately two leading factors in the chemical world join forces to serve the refrigerant industry. American Potash & Chemical Corporation, a leading national refrigerant distributor for 20 years, and Pennsalt Chemicals Corporation unite to bring you ISOTRON refrigerants, newest of the fluorinated hydrocarbons in CHARG-A-CAN† disposable containers and bulk cylinders. First with the full line, first in constructive service for wholesalers, contractors and service men, TRONA continues its refrigerant marketing leadership.

*"ISOTRON" *is Pennsalt's registered trademark for its fluorinated hydrocarbons.*

†Trademark AP&CC



FIRST with the **FULL LINE** in disposable CHARG-A-CAN containers and bulk cylinders... ISOTRON-11, ISOTRON-12, ISOTRON-22, ISOTRON-113, ISOTRON-114, METHYL CHLORIDE and SULFUR DIOXIDE.

TRONA

For further information write

American Potash & Chemical Corporation

3030 West Sixth Street, Los Angeles 54, Calif. | 99 Park Avenue, New York 16, New York

Export Office: 99 Park Avenue, New York 16, New York

Circle No. 95 on Reader Service Card

March 31 - April 2, 1958
Gas Appliance Manufacturers Association (Annual Meeting)
The Greenbriar
White Sulphur Springs, W. Va.

May 4-7, 1958
Air-Conditioning and Refrigeration Institute (Board Meeting and Annual Meeting)
The Homestead
Hot Springs, Va.

May 5-9, 1958
National Restaurant Association (Convention and Exposition)
Navy Pier
Chicago, Ill.

May 7-11, 1958
Western Air Conditioning Industries Association
Shrine Exposition Hall
Los Angeles, Calif.

June 9-13, 1958
Oil-Heat Institute of America (Convention and Exposition)
New York, N. Y.

June 23-25, 1958
American Society of Heating and Air-Conditioning Engineers
American Society of Refrigerating Engineers (Joint Meeting)
Leamington Hotel
Minneapolis, Minn.

October 12-17, 1958
American Gas Association (Annual Convention)
Atlantic City, N. J.

October 22-24, 1958
Air-Conditioning and Refrigeration Wholesalers (Annual Meeting)
Sheraton-Palace Hotel
San Francisco, Calif.

December 1-3, 1958
Am rican Society of Refrigerating Engineers (Semiannual Meeting)
Hotel Roosevelt
New Orleans, La.

December 1-4, 1958
National Warm Air Heating and Air Conditioning Association (Committee Meetings and Annual Convention)
Cleveland, Ohio

MANUAL . . .

Continued from page 69

open space in the drop ceiling around the area to be conditioned. Supply air is pumped into this plenum and diffused into the space below through conventional damper-equipped ceiling outlets.

You can design an alternate system around an air handling unit suspended above the ceiling and discharging air into the plenum while drawing return air through a sheet metal duct from the space below.

Suspended Ceiling as a Supply Air Plenum

Where it is not practical to utilize a drop ceiling as a supply air duct, you can generally adapt it to use as a return air plenum. A return air duct tapped into the ceiling plenum will carry the air from the plenum to the air-conditioning unit. You can cut return air grilles through the ceiling at the desired points. These grilles should be equipped with volume dampers to permit balancing the system.

WORTHINGTON COOLS NEW OFFICE BUILDING

The largest office building in Westchester County in New York will be completely air conditioned by a Worthington Corp. chilled water system that will provide 397 tons of cooling.

The new building, in White Plains, is six stories high and contains 140,000 sq.ft. of rentable space.

The Worthington equipment includes a 397-ton hermetic centrifugal refrigeration unit; 220 fan and coil units for cooling perimeter areas; and 24 air handling units for cooling interior zones; as well as three standard fitted centrifugal pumps.

Operating automatically according to the need for cooling, the 900-ton capacity plant can be started by a single pushbutton.

The hermetic centrifugal units are the first of their type to be installed in Wichita, according to Thomas-Harris-Calvin & Associates, local architect and consulting engineering firm for the 11-story building.

Air from three conditioning stations will be sent at high velocity throughout the structure by space-saving cylindrical ducts. Double lines, one carrying warm air and the other cool air, will discharge into mixing chambers above hung ceilings. Conditioned air then will be diffused through a ceiling outlet into the rooms.

Baseboard convectors along outside walls will provide auxiliary heating in winter.

Cooling towers will conserve some 95% of the water used to transfer heat removed from the building to the atmosphere. They will be located with central conditioning apparatus in a rooftop penthouse.

CARRIER PUSHBUTTON UNITS COOL COURTHOUSE

A contract for three large-capacity water chilling machines plus cooling and heating coils for air conditioning Sedgwick County Courthouse in Wichita, Kan., has been awarded to Carrier Corp. by Ripstra-Turner Co., contractor.

"Sure, you don't notice the heat now — but think how hot you'll be next summer without air-conditioning!"

THATCHER OPENS NEW RESEARCH LABORATORY

A research laboratory devoted to new product development and refinement has been opened in Garwood, N. J. by Thatcher Furnace Co.

The new laboratory contains complete facilities for testing experimental and developmental models of warm air furnaces, gas and oil burners, and boilers.

SYMPOSIUMS HIGHLIGHT WESTERN SHOW MAY 7-11

A conference program has been announced by Western Air Conditioning Industries Association in connection with its exhibit scheduled for May 7-11 at Shrine Exposition Hall in Los Angeles.

The program includes symposiums on: School House Environmental Control, covering steam and hot water systems, radiant heating, ventilation, cooling, heating, central air systems, and unitized room systems; Codes and Standards, covering views of the government, engineer, contractor, industry, and owner; Air Cleaning; Air-conditioning Existing Buildings; and general technical sessions including discussion about high temperature hot water, water conservation, air-conditioning existing residences, residential heat pumps, low temperature design techniques, and large absorption systems.

Information on the exhibit and conference program may be obtained from Fred J. Tabery, exhibit manager, at 3443 S. Hill St., Los Angeles 7, Calif.

WINNER HEARS MUSIC

PLEASURE TO WIN! Nip Mohler (left) of R. E. Thompson Co., St. Louis, refrigeration and air conditioning wholesalers, was adjudged the winner of the Mueller Brass Co., "Hi-Fi" contest. The contest was staged during the recent ARI Exposition in Chicago. Entrants, numbering in the thousands, were asked to estimate the total capacity, in drops of water, of all the filter blocks contained in a huge model of the company's "Drymaster" filter-drier. Ed Joern (right), manager of Mueller's St. Louis office, congratulates Mohler. The prize is a console model phonograph. Mohler's estimate was the closest to the exact total.

HUPP INT'L NAMES 6 LATIN AM. OUTLETS

Appointment of six new Latin distributors has been announced by Hupp International, division of Hupp Corp. Hupp International markets products of three Hupp divisions: Gibson Refrigerator Co., Typhoon Air Conditioning Co., and Perfection Industries.

The new Gibson distributors are Almacen Americano Sucr. of Wm. H. Phelps Co., Caracas, Venezuela; Manuel Holguin & Cia., La Paz, Bolivia; Electro Radio C. por A., Ciudad Trujillo, Dominican Republic; and Union Nacional Importadora C. A., Guayaquil, Ecuador. The Caracas firm also will handle Typhoon's line and the Guayaquil firm also will handle Perfection's line.

Representaciones Linage S. A., Puebla, Pue., Mexico, will handle the Typhoon line. Atlas Distributing Co., San Juan, Puerto Rico, will handle, the Perfection line.

You can count on HIGHER PROFITS WITH Curtis AIR CONDITIONERS

Evaporative Condensers
and Cooling Towers
up to 100 tons
Air handling units to match.

Packaged Liquid Chillers—
7½ to 100 tons—F-12 or F-22.
With room console units to provide
controlled cooling and heating
without duct work.

HERE'S WHY...

MAXIMUM DEPENDABILITY

Each CURTIS unit is backed by 104 years of engineering and manufacturing experience . . . one of many reasons why CURTIS air conditioning equipment operates at maximum efficiency with a minimum of maintenance.

CUSTOMER SATISFACTION

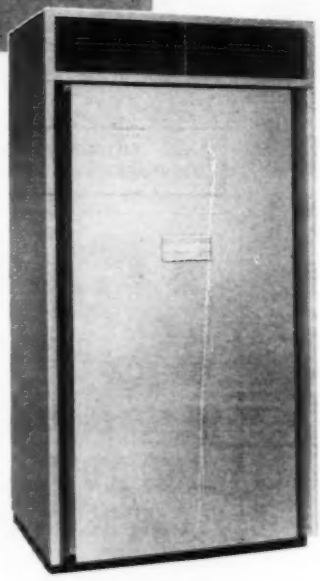
The long operational life and minimum service requirements of CURTIS air conditioning, combined with peak performance, assures satisfied customers.

PRE-SOLD PROSPECTS

National advertising beamed at virtually every prospect category helps *pre-sell* Curtis equipment for you. CURTIS provides sales and promotional aids to make your selling job *easier*.

PRICED FOR PROFITS

All Curtis air conditioning equipment is *competitively* priced, with a very generous profit margin *for you!*



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air conditioning
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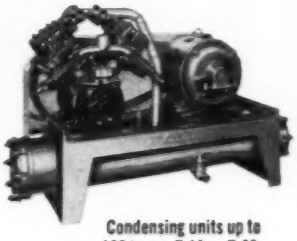

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100 tons—F-12 or F-22.

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MANUFACTURING COMPANY • REFRIGERATION DIVISION
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C-35

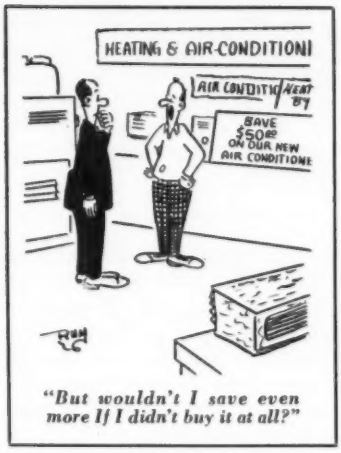
Circle No. 112 on Reader Service Card

BENDIX SYSTEM GIVES WEATHER IN COLOR

A system "Weatherman" that measures and indicates the speed and direction of the wind, temperature, relative humidity, rainfall, and barometric pressure has been announced by Friez Instrument Div. of the Bendix Aviation Corp.

Outside weather data is presented indoors on 11" diameter color dials that can be flush-mounted in installations in television stations, airports, schools, banks, department stores, office buildings, and similar locations.

The numbered scales of the indicators are covered with a fluorescent yellow paint, which also is used on the inner-scale graduations



"But wouldn't I save even more If I didn't buy it at all?"

on the face of the dial. A fluorescent orange paint highlights the leading edges of the indicator pointer.

These colors are designed to lend themselves — when subjected to an ultra-violet light — to dramatic presentations of weather data.

The basic system, which also features remote operation — except for pressure — electronic amplification for temperature and humidity, and a single transmitter for wind speed and direction, consists of six units. However, indicators and transmitters also can be supplied as individual units.

PRODUCT LINE EXPANDED

C. W. Dean and Associates, Memphis, manufacturers representatives, have expanded the line of products represented by the firm to include American Air Filter Co.'s air filter and engine and compressor products.

NEW ARI STANDARD ON UNITARY HEAT PUMP

The first standard covering "Unitary Heat Pump Equipment" has been issued by the Air-Conditioning & Refrigeration Institute.

The new standard, numbered 240-57, was issued to "establish minimum industry standards of performance of unitary heat pumps and to provide means for establishing reliable ratings", ARI reports.

NEW DIVISION FORMED BY PYRAMID INSTRUMENT

Pyramid Instrument Corp. announces the formation of a new division, Sargent Electric Corp.

Sargent manufactures a complete line of standard and special toggle and trigger switches.

DEAN COLD PLATE NAMES 13 REPRESENTATIVES

Dean Cold Plate Div. of Dean Products, Inc., Brooklyn, N. Y., announces the appointment of:

J. C. Battles, Crystal Lake, Ill., northern Illinois, eastern Iowa, eastern Wisconsin; C. G. "Mutt" Baker, Atlanta. Complete states of Alabama, North and South Carolina, Mississippi, Tennessee and northern Florida; Stephen J. Benn, Orlando, Fla., central Florida, southern Florida; B. L. Burlingame, New Hartford, N. Y. All New York State with exception of Putnam County and south of Orange County;

Filters, Inc., Somerville, Mass. Complete states of Vermont, New Hampshire, Maine, Rhode Island, and Massachusetts with exception of Hampten County; Merle G. Haynes, Berkeley, Calif. Complete states of Arizona, Colorado, New Mexico, Nevada, northern and southern California, and Western Texas; Jack Huff, Narberth, Pa. Complete state of Delaware, Maryland, District of Columbia, and eastern Virginia; Roger P. Kipp Co., St. Louis, Mo. Roy B. McCrady, Prairie Village Kan. Complete states of Iowa, Kansas, Missouri, Nebraska, and southern Illinois.

R. E. LeRiche, Seattle, Wash. Complete states of Idaho, Montana, Oregon, and Washington; Charles Logan, Philadelphia, Pa. Eastern Pennsylvania; George R. Mellema Co., Minneapolis. Complete states of Minnesota, North and South Dakota, and northwestern Michigan;

Bernard M. Packtor Co., New Haven, Conn. Complete state of Connecticut, Rhode Island, and southern Massachusetts; and Ted Stikeleather Sales Co., Cincinnati, Ohio. Complete states of Kentucky, and Ohio, and southern Indiana, and northeastern Michigan.

WAGNER ELECTRIC ADDS MANUFACTURING SPACE

Wagner Electric Corp. recently expanded its St. Louis plant by more than 28,000 sq.ft. of floor space with the addition of a new manufacturing building.

The new building utilizes a space 75′ wide by 380′ long between existing buildings.

A unique feature of the new building is that it was erected by suspending a roof between the outside wall of one building and the outside walls of two facing buildings. Two end walls were erected and a floor laid to enclose the area and complete the new building.

6 AIRTEMP WHOLESALERS WIN '58 CHRYSLER CARS

Six top officials of wholesale air conditioning and heating firms have been awarded new Chrysler Imperials by Airtemp Div., Chrysler Corp., for outstanding sales achievements during 1957.

Those receiving the new cars were: Anthony Cueto, Industrial Sheet Metal, Bakersfield, Calif.; J. D. Donohue, Climate Control Co., Phoenix, Ariz.; E. C. Fox, Hager-Fox Heating & Refrigeration Co., Lansing, Mich.; Ira Mansfield, Mansfield Heating & Plumbing, Centralia, Ill.; W. E. McLeod, Central Air Conditioning & Heating, Inc., Nashville, Tenn.; and Shasta Sheet Metal, Reading, California.

LOEWY TO DESIGN 1959 FEDDERS LINE

Raymond Loewy Associates has been signed as consultant designers by Fedders-Quigan Corp.

The designers will handle the firm's full line of air conditioning and heating equipment. The first project on the schedule is Fedders 1959 room air conditioner models.

NEW AIR FILTER PLANT DOUBLES OLD CAPACITY

Air Filter Corp. recently doubled its old plant capacity with the building of a new plant and offices at W. Woolworth Ave., Milwaukee, Wis., according to Rodger J. Clark, president.

The new factory includes special truck loading platforms. Murals decorate the air conditioned offices.

Products manufactured by the firm include a complete line of "Airsan", permanent, viscous-type air filters for heating, ventilating, air conditioning, and custom applications.

Other officers of the firm include Ray Breckheimer, vice president; and Emmett Philipp, secretary.

TRION ADDS 2 REPS

Trion, Inc., has announced the appointment of two additional representatives for its commercial and industrial units.

They are: H. E. Rieckelman Co., Buffalo, N. Y.; and Robert S. Belcher. Tampa, Fla.

INDEX OF ADVERTISERS

design for safe transit

..... SAFE AS A BABY IN A CRADLE!

EXTRA WORKABILITY

The proper kind of temper is vital in tube used for refrigeration and air conditioning purposes. VIKING Copper Tube has been produced with the best available annealing and tempering equipment, thus assuring perfect fabricating.

ABSOLUTE, UNVARYING STRAIGHTNESS

A battery of straightening machines keeps VIKING Copper Tube absolutely, unvaryingly straight. In addition, these machines precisely temper the tube, imparting to it the correct surface hardness . . . assuring ease in fabrication resulting in substantial savings in time and labor.

ELECTRONIC QUALITY CONTROL

An electronic "Brain" detects the minutest flaw or imperfection in the walls of VIKING tubes . . . automatically discarding defective tubes. Trouble-free fabrication is virtually guaranteed — operational failures almost completely eliminated.

1500 lbs. (over 20,000 ft.) of straight, de-burred, square-cut correctly tempered copper tube is carried with "loving care" in specially built crates individually designed to suit customers' requirements. VIKING designed packaging preserves original finish and prevents in-transit damage to VIKING Thin Wall Copper Tube, because each length supports *only its own weight!*

VIKING painstakingly controls every aspect of the production of its tube, and as perfectionists, takes pride in delivering every foot of VIKING Thin Wall Copper Tube uniform and perfect.

It is because of VIKING'S pioneering in quality, uniformity and dependability that VIKING Copper Tube is today the first choice of the nation's leading manufacturers of air conditioning and refrigeration units and coils.

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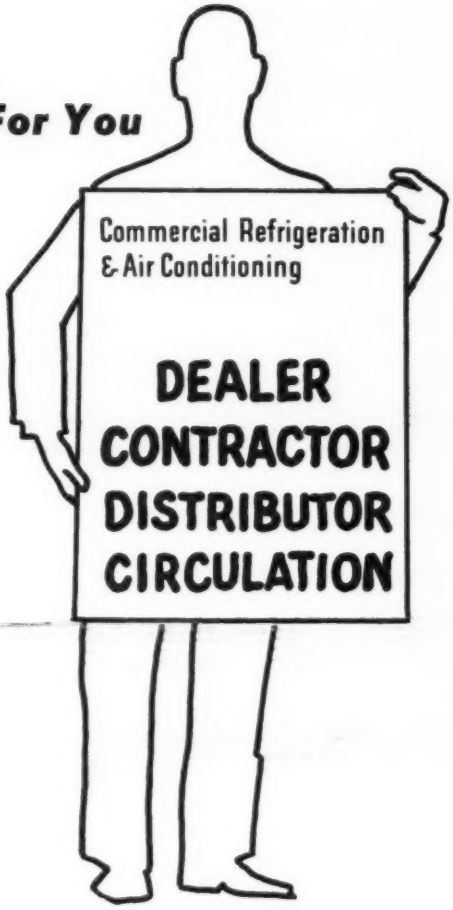

COMMERCIAL REFRIGERATION & AIR CONDITIONING has franchised 52 wholesalers, employing 365 outside salesmen, covering 110 major trading areas of the country. This franchise permits them to have the magazine sent to their customers and prospective customers. The wholesaler furnishes COMMERCIAL REFRIGERATION & AIR CONDITIONING with a list of those individuals to whom he wishes the magazine sent. In most instances, these individuals are the purchasing influence.

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